User Manual

Color TV

27PT8302/37
32PT8302/37

Thank you for choosing Philips.
Need help fast?

Read your User Manual and/or Quick-Use Guide first for quick tips that make using your Philips product more enjoyable. If you have read your instructions and still need assistance you may access our online help at
www.p4c.philips.com
or
call 1-888-PHILIPS (1-888-744-5477)
while with your product.

Model No.:_____

Serial No.:_____

PHILIPS

3121 235 22331

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these **safety** symbols

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No._____

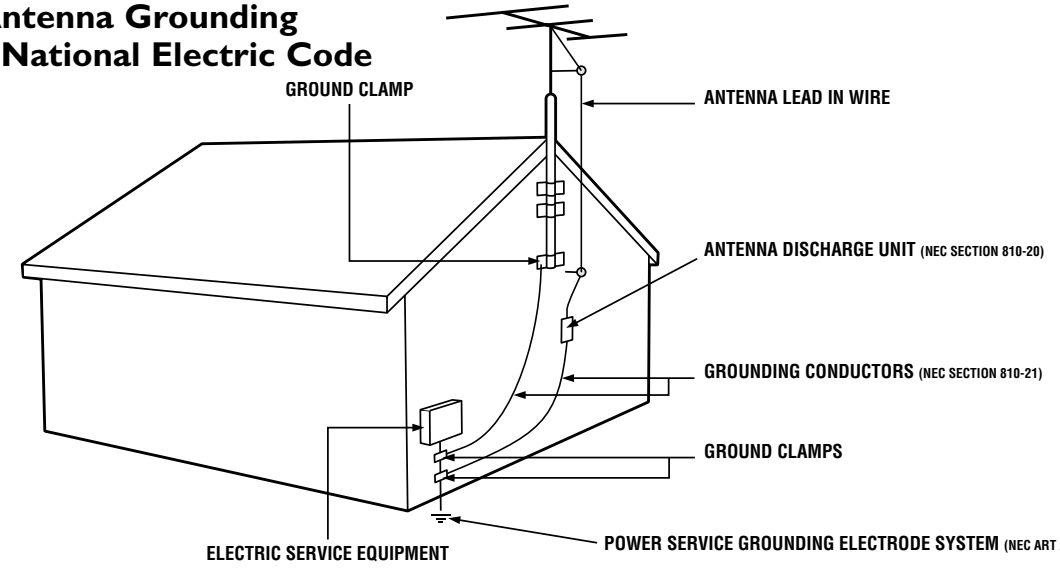
Serial No. _____

IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  A. The power supply cord or the plug has been damaged; or
  B. Objects have fallen, or liquid has been spilled into the appliance; or
  C. The appliance has been exposed to rain; or
  D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
• Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
• Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
22. **Battery Usage CAUTION -** To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
• Install all batteries correctly, with + and - aligned as marked on the unit.
• Do not mix batteries (old and new or carbon and alkaline, etc.).
• Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
ELECTRIC SERVICE EQUIPMENT

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Features

Active Control™ continuously measures and corrects all incoming signals to help provide the best picture quality. This feature monitors and corrects both the sharpness control and noise reduction control.

Audio/Video Jack Panel allows direct connections with VCRs, DVDs, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from four factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The four factory-set controls (Speech, Movie, Music, and Multimedia) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Channel Edit allows you to add or delete channels from the list stored in the TV's memory. Channel Edit makes it easy to limit or expand the number of channels that are available to you when you press the Channel (+) or (–) buttons on your remote control.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as onscreen text.

Infrared Remote Control works your TV and other remote-controlled devices, such as VCRs, DVD players, cable converters, and satellite receivers.

Onscreen Menu shows helpful messages and instructions for setting TV feature controls (can be viewed in English, French, or Spanish).

Sleep Timer automatically turns the TV OFF after a set amount of time that you choose.

Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

As an Energy Star® Partner, Philips Consumer Electronics has determined this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a U.S. registered mark. Using products with the Energy Star® label can save energy. Saving energy reduces air pollution and lowers utility bills.

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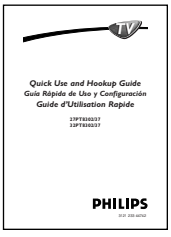
QUICK USE AND SETUP GUIDE

Refer to the simple *Quick Use and Setup Guide* (supplied with your TV) for details on making Connections and Remote Control Operation.



How to Use the Installation Features

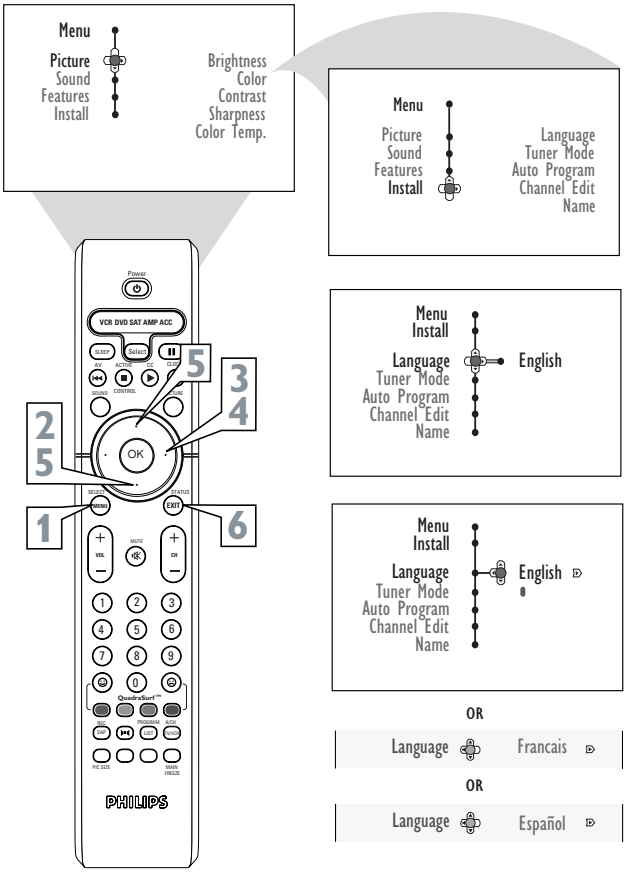
Language

For our Spanish and French-speaking TV owners, an onscreen LANGUAGE option is present. The LANGUAGE control enables you to set the TV's onscreen menu to be shown in either English, Spanish, or French.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left and highlight Language.
4. **Press the CURSOR RIGHT button** to highlight the Language Control options.
5. **Press the CURSOR DOWN or CURSOR UP button** to select English, Español (Spanish), or Francais (French).
6. **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

Remember, the LANGUAGE control makes only the TV's onscreen MENU items appear in English, Spanish, or French text. It does not change the other onscreen text features, such as Closed Captioning (CC), with TV shows.



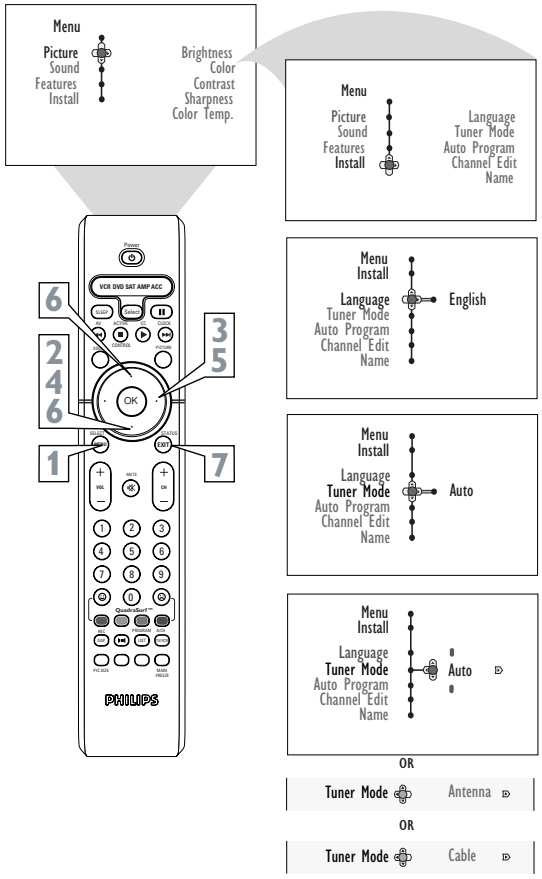
Tuner Mode

The Tuner Mode allows you to change the Tv's signal input to Cable, Antenna, or Auto Mode. It's important for the TV to know what type of signal is connected, either Antenna or Cable.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left.
4. **Press the CURSOR DOWN button** to select the Tuner Mode control.
5. **Press the CURSOR RIGHT button** to highlight the tuner options.
6. Press the **CURSOR UP or CURSOR DOWN** to select **Cable, Antenna, or Auto**. If Tuner Mode is set to **Auto,** Auto Program will detect whether or not cable input is present.
7. **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

When Cable is selected, channels 1-125 are available. When Antenna is selected, channels 2-69 are available.



How to Use the Installation Features

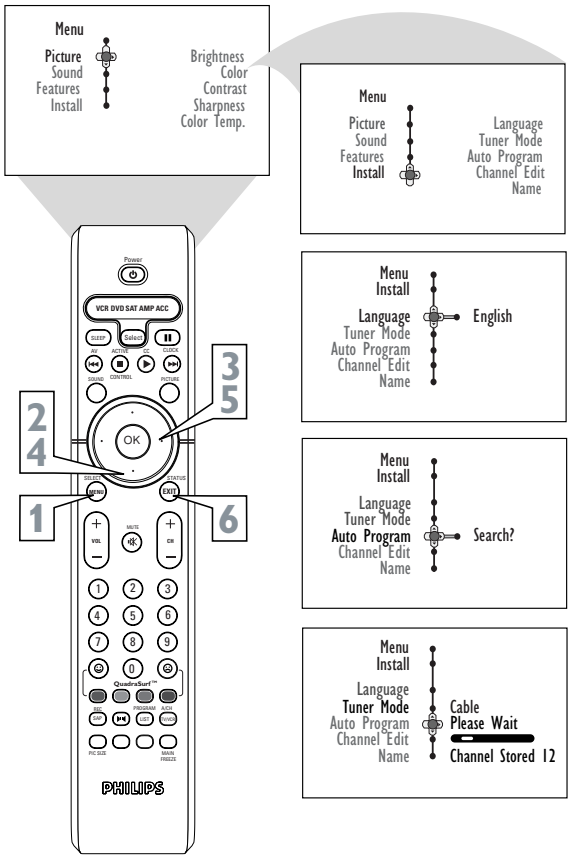
Auto Program

Your TV can automatically set itself for local area (or cable TV) channels. This makes it easy for you to select only the TV stations in your area by pressing the CHANNEL (+) or (–) button.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to enter the Install menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until Auto Program is selected. "Search ?" will appear.
5. **Press the CURSOR RIGHT button** to start the Auto Programming process.
6. **Press the STATUS/EXIT button** to remove the menu from the screen when the Auto programming process has finished.

Helpful Hint

After you've run Auto Program, check out the results. Press the CHANNEL (+) or (–) button and see which channels you can select.
Remember, an antenna or cable TV signal must first be connected to your TV, see Quick-Use Guide for making connections.

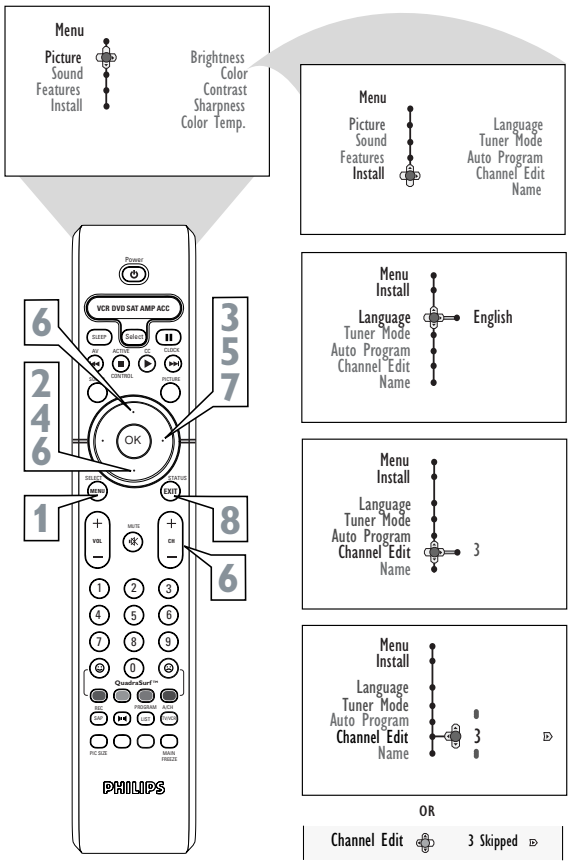


Channel Edit

Channel Edit makes it easy for you to add or delete channels from the list of channels stored in the TV's memory.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to enter the Install menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until Channel Edit is selected.
5. **Press the CURSOR RIGHT button** to enter the Channel Edit mode.
6. **Press the CURSOR UP or CURSOR DOWN buttons** to scroll though the list of available channels, you can also press the CH+ or CH- to scroll through the list of channels. Or, press the numbered buttons to select a specific numbered channel.
7. With the channel you want to edit selected, **press the CURSOR RIGHT button** to activate the "skipping" of the channel. The skipped channel will not appear when changing channels.
8. **Press the STATUS/EXIT button** to remove the onscreen menu from the screen.

Note: When you want to add a channel that has been skipped, repeat steps 1-4. By pressing the CURSOR RIGHT button skipped is deactivated.

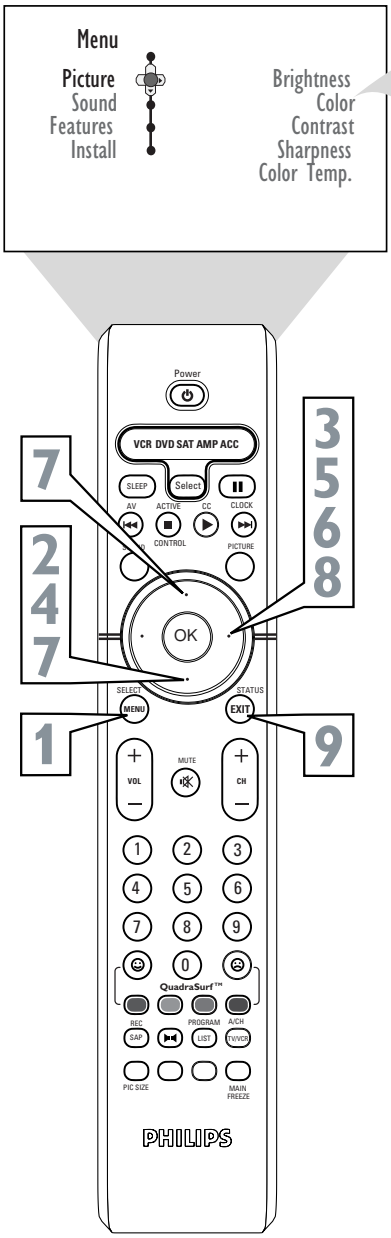


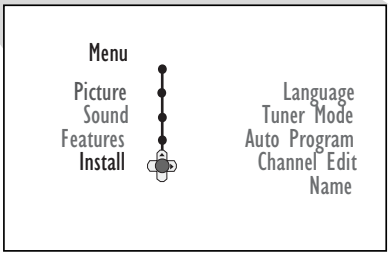
NAME CONTROL (PICK LIST)

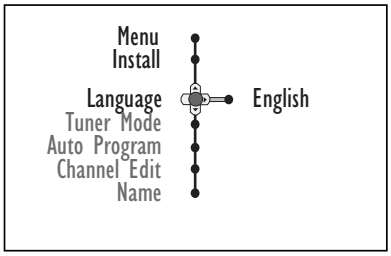
The channel NAME feature allows you to list the "call" letters of your favorite stations beside their channel numbers when they appear on the screen. The TV has in memory a list of the 50 most popular channel names (for example: ABC, CBS, FOX, NBC, etc.). You can also enter a custom name (up to five characters) see next page for details.

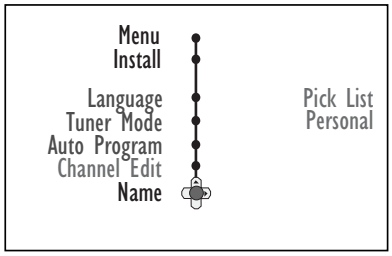
Tune to the specific channel you want to name, then follow the steps below.

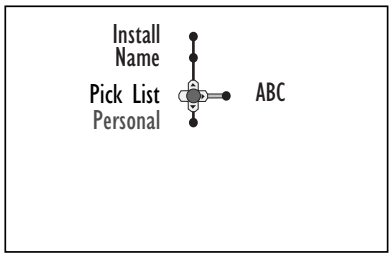
1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to enter the Install menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until Name is selected.
5. **Press the CURSOR RIGHT button** to move to enter the Name menu.
6. With Pick List highlighted, **press the CURSOR RIGHT button** to enter the "Pick List" selections.
7. **Press the CURSOR UP or CURSOR DOWN buttons** to scroll through a list of options.
8. After you have selected a name for the channel, **press the CURSOR RIGHT button** to save the name in the TV's memory, it will appear in the upper left hand corner of the screen.
9. **Press the STATUS/EXIT button** to remove the menu from the screen.

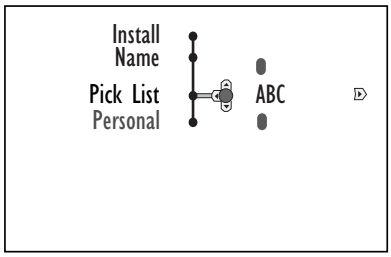












HELPFUL HINT

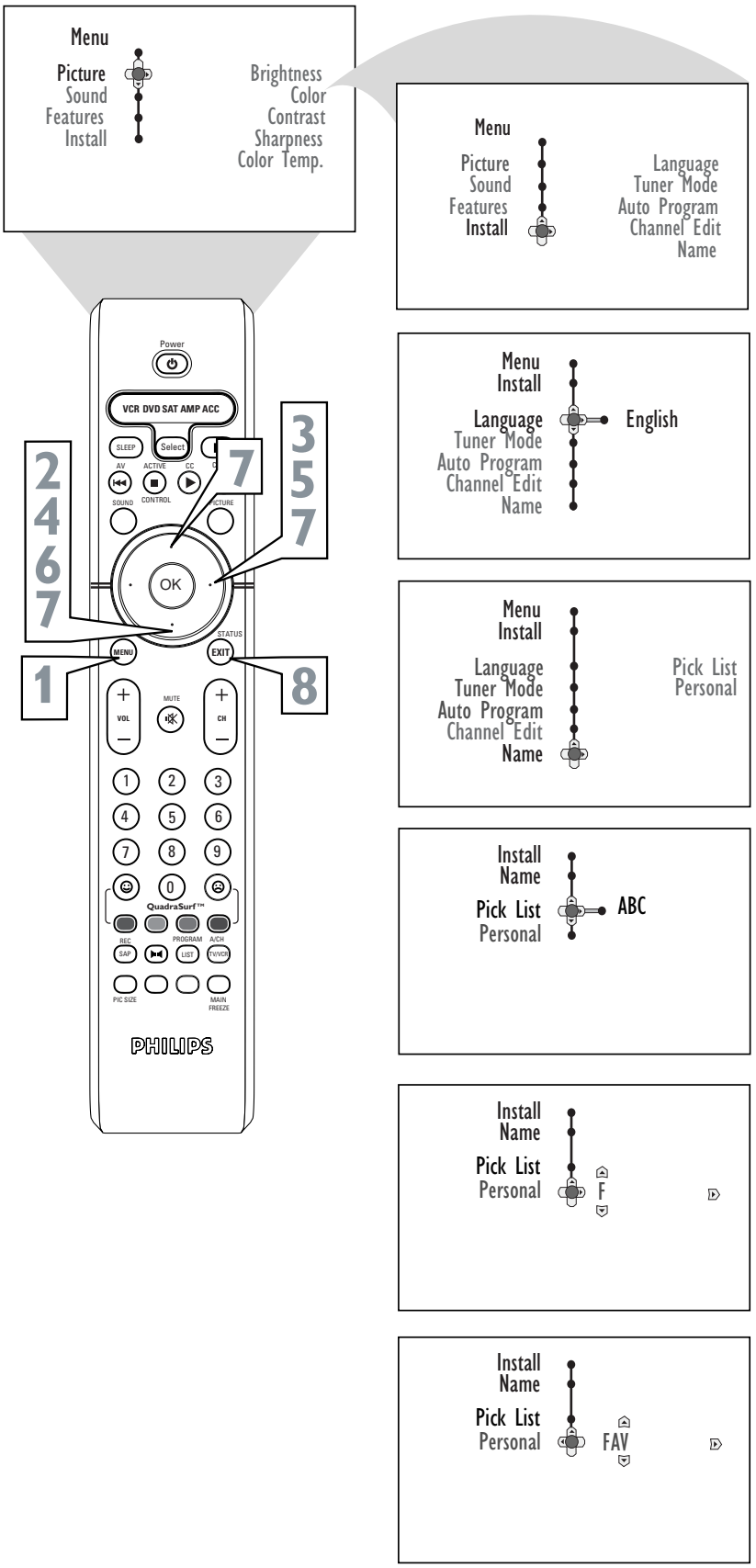
The five characters that the channel NAME feature allows you to input can be letters, a dash (-), or the numbers 0 to 9.
The Channel Label or Name will appear when a channel change is made or when the STATUS/EXIT button is pressed.

NAME CONTROL (PERSONAL)

The channel NAME feature allows you to list the "call" letters of your favorite stations beside their channel numbers when they appear on the screen. You can enter a custom name (up to five characters) for each channel.

Tune to the specific channel you want to name, then follow the steps below.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until Install is highlighted.
3. **Press the CURSOR RIGHT button** to enter the Install menu. Language will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until Name is selected.
5. **Press the CURSOR RIGHT button** to move to enter the Name menu.
6. **Press the CURSOR DOWN button** to select Personal.
7. **Press the CURSOR RIGHT button again;** then press the **CURSOR UP or CURSOR DOWN** buttons to scroll through a list of options for the first character (A through Z, 0 through 9). **Press the CURSOR RIGHT button**, and repeat for the second, third, fourth, and fifth characters.
8. **Press the STATUS/EXIT button** to remove the menu from the screen.



HELPFUL HINT

The five characters that the channel NAME feature allows you to input can be letters, a dash (-), or the numbers 0 to 9.
The Channel Label or Name will appear when a channel change is made or when the STATUS/EXIT button is pressed.

How to Use the Picture Adjustment Controls

To adjust your TV picture controls, select a channel and follow these steps.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight PICTURE.

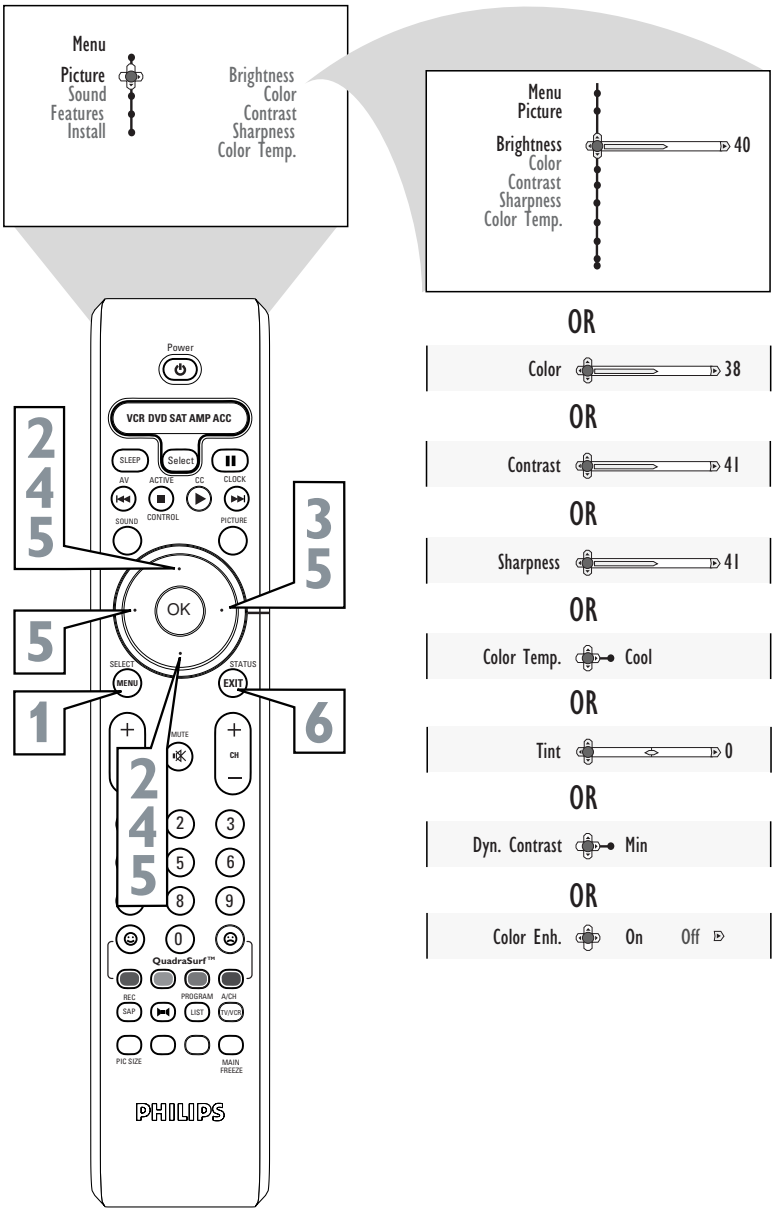
3 **Press the CURSOR RIGHT button** to enter the Picture menu.

4 **Press the CURSOR UP or CURSOR DOWN button** to select the picture adjustment you want to change: Brightness, Color, Contrast, Sharpness, Color Temp., Tint, Dyn. Contrast, or Color Enh.

NOTE: The menu will show only five items at a time, so you will need to continue scrolling with the CURSOR DOWN button to adjust the Tint, Dyn. Contrast, or Color Enh.

5 **Press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control. OR, if Color Temp. or Dyn. Contrast is chosen, press the CURSOR UP or CURSOR DOWN to select the preferred mode. If Color Enh. is selected press the CURSOR RIGHT button repeatedly to toggle the various modes.

6 **Press the STATUS/EXIT button** when finished to remove the menu from the screen.



Helpful Hint

NOTE: The Tint Controls will not be available for adjustments when tuned to the AV1/AV2/AV3 Inputs.

Brightness – adds or subtracts light from the darkest part of the picture.

Color – adds or eliminates color.

Contrast – improves the detail of the lightest parts of the picture.

Sharpness – improves the detail in the picture.

Color Temp. offers NORMAL, COOL, or WARM picture preferences. (Normal will keep the whites, white; Cool will make the whites, bluish; and Warm will make the whites, reddish.)

Tint – adjusts the picture to obtain natural skin tones.

Dyn(amic) **Contrast** – helps to "sharpen" the picture quality by making the dark portions of the picture darker and the light portions more noticeable. You can select from the various modes: Off, Min, Med, and Max.

Color Enh(ancement) – increases the intensity of the color when "On" is selected.

How to Use the Sound Adjustment Controls

To adjust your TV sound controls, select a channel and follow these steps.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

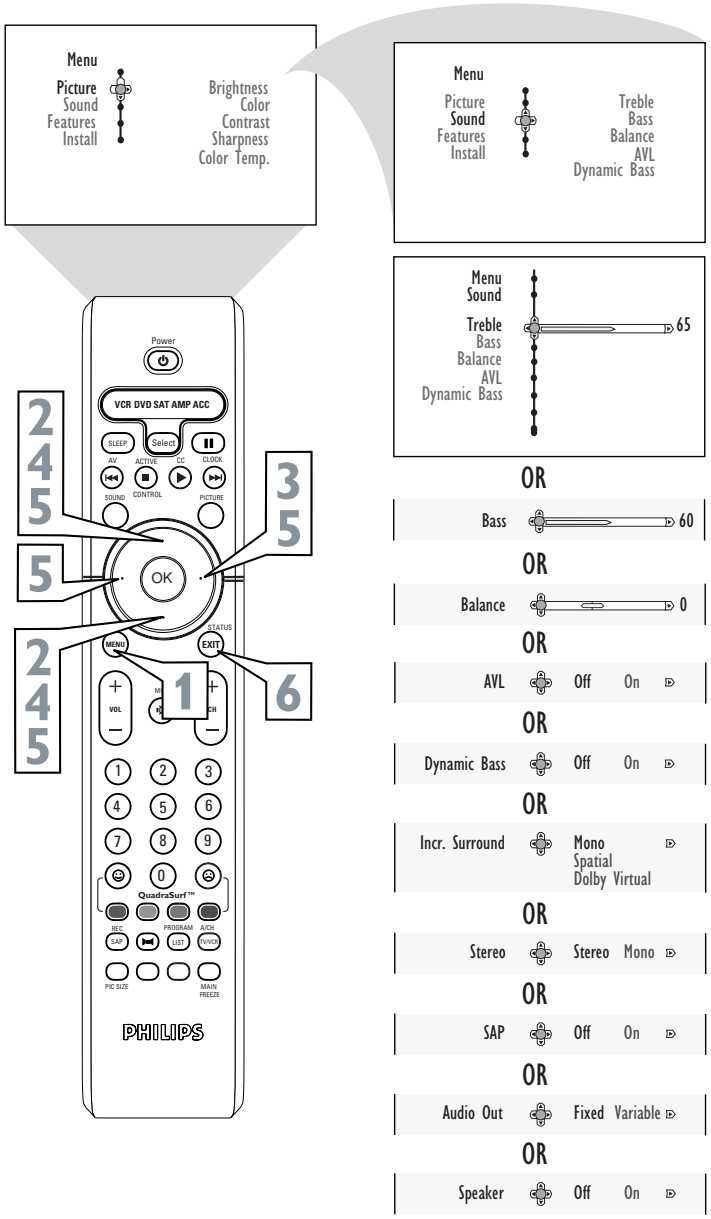
2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Sound.

3 **Press the CURSOR RIGHT button** to enter the sound menu.

4 **Press the CURSOR UP or CURSOR DOWN button** to select the sound adjustment you want to change: Treble, Bass, Balance, AVL, Dynamic Bass, Incr. Surround, Stereo, SAP, Audio Out, and Speaker. **NOTE:** The menu will show only five items at a time, so you will need to continue scrolling with the CURSOR DOWN button to adjust the Incr. Surround, Stereo, SAP, Audio Out, or Speaker.

5 **Press the CURSOR LEFT or CURSOR RIGHT button** to adjust the selected control. Or, if Incr. Surround is chosen, press the CURSOR UP or CURSOR DOWN to select the preferred mode. If AVL, Stereo, SAP, Audio Out, or Speaker is selected press the CURSOR RIGHT button repeatedly to toggle the various modes.

6 **Press the STATUS/EXIT button** when finished to remove the menu from the screen.



Helpful Hint

Treble – enhances the high frequency sounds.

Bass – enhances the low frequency sounds.

Balance – adjusts the level of sound coming from the left and right speakers.

AVL (Auto Volume Leveler) - when On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

Dynamic Bass - enhances the low frequency sounds.

Incr. Surround - adds greater depth and dimension to TV sound. Select from Incr. Surrourd, Dolby Virtual or Stereo sound (if Stereo) or Dolby Virtual, Spatial or Mono (if Mono).

SAP (Secondary Audio Programming)– sent as a third audio channel, a SAP signal can be heard apart from the current TV program sound. Note: If SAP is not available, "Not Available" will appear on the screen.

Audio Out – select from Variable or Fixed. When Variable is selected, change the volume at the TV using the TV's remote control. If fixed is selected, change the volume at the external device's audio controls.

Speaker -turn the TV speaker On or Off. When a Hi-Fi system is used, turn the TV speaker Off to hear the sound from the Hi-fi system instead of the TV's speakers. When no external audio system is connected, On must be selected to hear sound coming from the TV.

How to Use the Timer Menu Controls

Your television comes with an onscreen clock. The TV can also be set to turn on or off at a specific time and tune to a specific channel when it powers itself on.

1 **Press the CLOCK button** on the remote control to display the Timer onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight one of the Timer controls. These controls are Time, Start Time, Stop Time, Program No., Activate, Display, and AutoChron.

3 Press the **CURSOR RIGHT button** to display the menu for the selected item.

4 Make adjustments to the selected items by following the steps below.

Time: Enter the current time using the Numbered buttons. Use the CURSOR UP and CURSOR DOWN buttons to toggle the AM and PM setting.

Start Time: Use the numbered buttons to enter the time you want the TV to turn itself On. Use the CURSOR UP and CURSOR DOWN buttons to toggle the AM and PM setting.

Stop Time: Use the numbered buttons to enter the time you want the TV to turn itself Off. Use the CURSOR UP and CURSOR DOWN buttons to toggle the AM and PM setting.

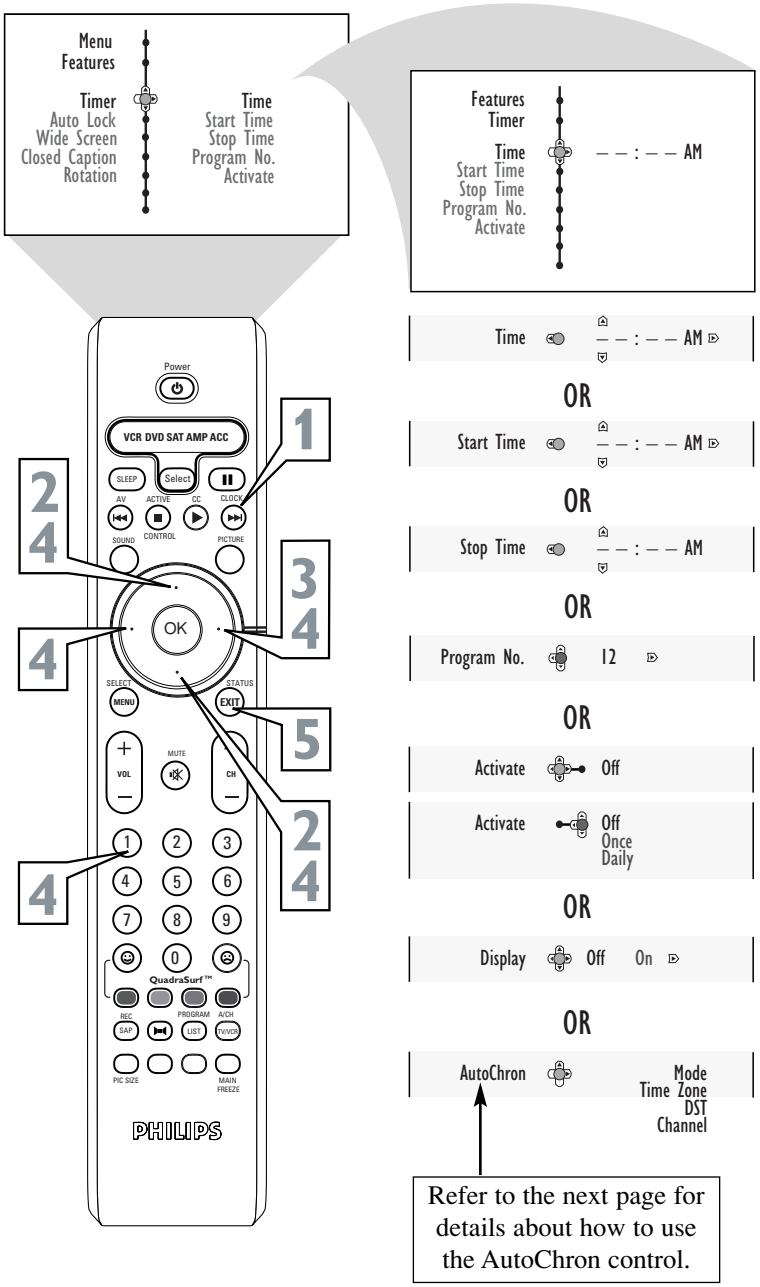
Program No.: Use the NUMBERED buttons or the CH + or CH- buttons to enter the desired start-up channel. You can also press the CURSOR RIGHT or CURSOR LEFT buttons to enter the desired start-up channel.

Activate: Set the timer to turn itself On (Once or Daily) or Off. Press the CURSOR UP or CURSOR DOWN buttons to select Once, Daily, or Off.

Display: Press the CURSOR RIGHT or CURSOR LEFT to toggle between On or Off. If On is selected, the time will be displayed all the time when the TV is on. When Off is selected, the time will only appear when the STATUS/EXIT button is pressed.

AutoChron: For use of the AutoChron feature, refer to the section on "How to Use the AutoChron Control" see next page.

5 **Press the STATUS/EXIT button** to remove the menu from the screen.



Refer to the next page for details about how to use the AutoChron control.

How to use the Timer Menu Controls (Cont'd)

Auto Chron

AutoChron™ can automatically set the TV's onscreen clock. Since the time is received from a broadcast signal, you must be sure that a cable TV or Antenna signal is present before you use the AutoChron™ feature.

1 **Press the CLOCK button** on the remote control to display the Timer onscreen menu.

2 **Press the CURSOR DOWN button** until AutoChron is selected.

3 **Press the CURSOR RIGHT button** to display the AutoChron menu. Mode will be highlighted.

4 **Press the CURSOR RIGHT button** to display toggle between Manual and Auto.

5 **Press the CURSOR DOWN button** to select Time Zone.

6 **Press the CURSOR RIGHT button** to enter the Time Zone menu.

7 **Press the CURSOR UP or CURSOR DOWN buttons** to select the correct Time Zone. To activate the Time Zone, press the CURSOR LEFT button.

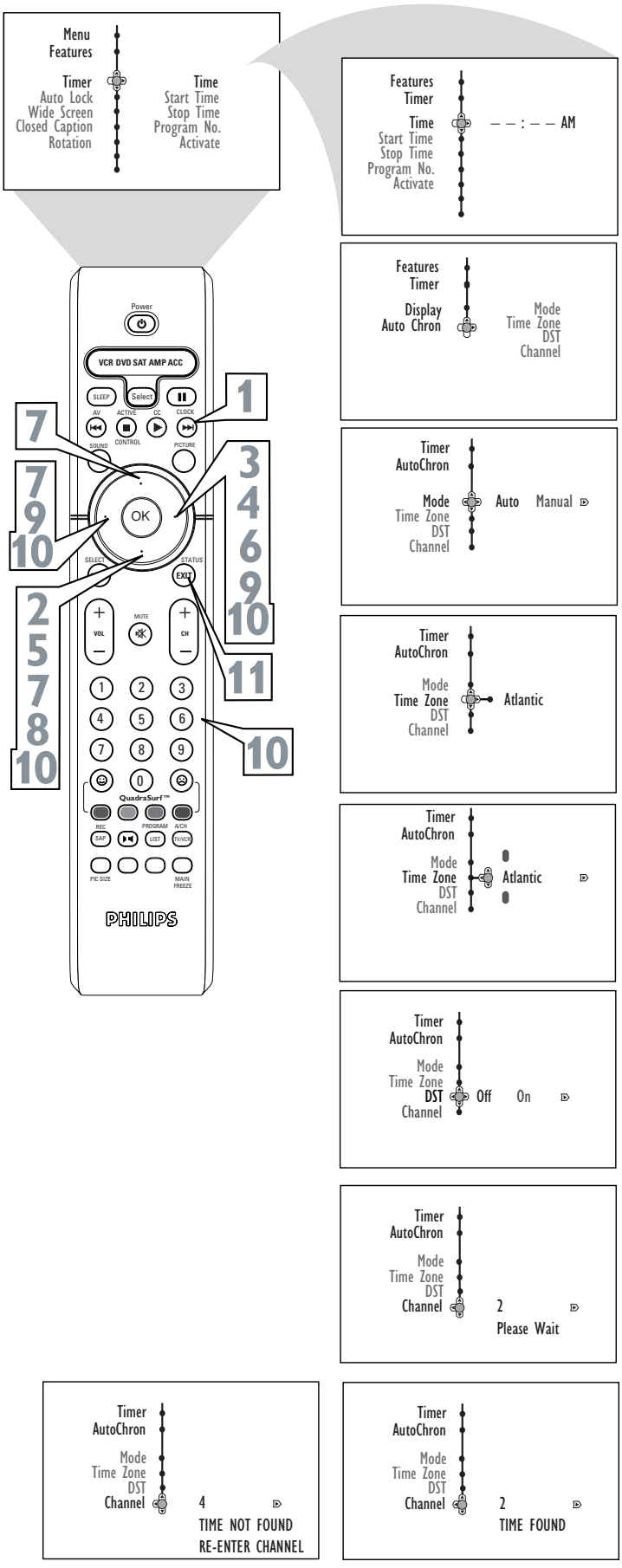
8 **Press the CURSOR DOWN button** to select DST (Daylight Savings Time).

9 If your time zone uses Daylight Savings Time, **press the CURSOR RIGHT or CURSOR LEFT button** to toggle between Off or On, and select On.

10 **Press the CURSOR DOWN to select Channel. Then use the NUMBERED buttons to enter your local PBS channel** or any local channel that transmits the current time. You can also use the CURSOR RIGHT or CURSOR LEFT buttons to change channels one at a time. If TIME FOUND appears,the process is finished. If not, follow the onscreen instructions, and try another channel.

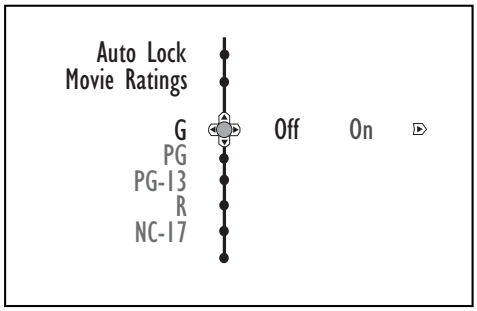
11 **Press the STATUS/EXIT button** when finished to remove the onscreen menu from the TV screen.

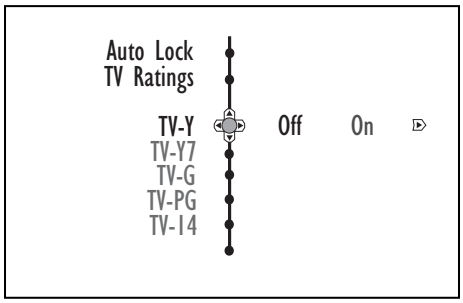
NOTE: If the AutoChron™ control is unable to find the time being transmitted on any channels, you may have to enter the time manually. Refer to the previous page for details.



UNDERSTANDING THE AUTOLOCK™ CONTROLS

The AutoLock™ feature receives and processes data sent by broadcasters or other program providers that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of programming children may watch.





In the AutoLock™ section, you'll learn how to block channels and programming that is not rated, is unrated, or has no rating. You will also find out how to turn these blocking features ON or OFF. Following are brief explanations of some terms and ratings related to the AutoLock™ feature.

AutoLock™ offers various Blocking Options from which to choose:

BLOCKING: The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

NO RATING: ALL programming with no content advisory data can be blocked if NO RATING is set to ON.

Programming that has No Rating is not encoded with any rating information from the MPAA or the Parental Guidelines. Any programming could fall into this category.

You also can block individual channels or block programming based on ratings of the MPAA and TV broadcasters. (See a description of the ratings on this page.)

MOVIE RATINGS
(MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children. It may contain one or more of the following: Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted -This programming is specifically designed for adults. Anyone under the age of 17 should view this programming only with an accompanying parent or adult guardian. It contains one or more of the following: intense violence; intense sexual situations; strong, coarse language; or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence; explicit sex; or crude, indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES
(TV BROADCASTERS)

TV Y ***TV-Y*:** (**All children** -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV Y7 ***TV-Y7***: (**Directed to Older Children** -- *This program is designed for children ages 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV G ***TV-G*:** (**General Audience** -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

TV PG ***TV-PG***: (**Parental Guidance Suggested** -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV 14 ***TV-14***: (**Parents Strongly Cautioned** - - *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intense violence (V); intense sexual situations (S); strong, coarse language (L); or intensely suggestive dialogue (D).

TV MA ***TV-MA***: (**Mature Audience Only** -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: graphic violence (V); explicit sexual situations (S); or crude, indecent language (L).

SETTING UP AN AUTOLOCK™ ACCESS CODE

AutoLock™ allows parents to block out or "censor" any channels they think children should not watch. A channel blocked by the AutoLock™ control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let's set your AutoLock access code.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock control.

5 **Press the CURSOR RIGHT button** to enter the AutoLock mode. "Access Code ----" will appear.

6 **Using the numbered buttons on the remote control**, enter the access code. If you do not know your code, **0,7,1,1** is the default code. After you have entered the code once, *Incorrect* will appear on the screen. Enter the code a second time, Correct will appear. When "Correct" appears, the AutoLock menu is accessible and you can proceed to change the access code.

7 **Press the CURSOR DOWN button** to highlight Change Code.

8 **Press the CURSOR RIGHT button t**o enter the Change Code menu, "Enter New Code ----" will appear. **Enter a new four-digit code** using the number buttons, "Confirm Code----" will appear on the screen.

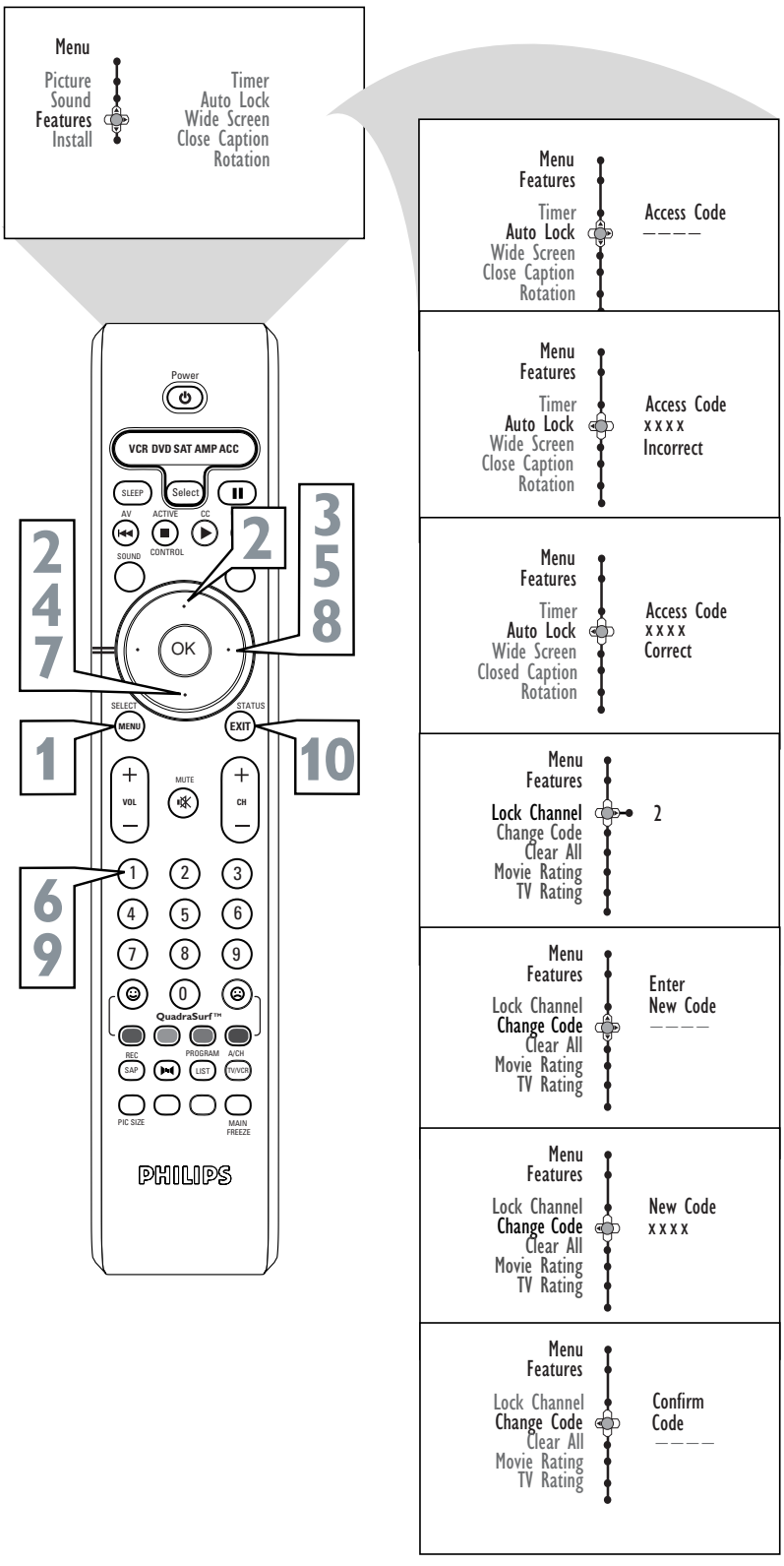
9 **Using the numbered buttons, re-enter your new four-digit code, "Confirm Code" will appear.** After re-entering your new code,*"Correct"* will flash on the screen briefly and the highlight bar goes back to AutoLock.

10 **Press the STATUS/EXIT button** to remove the menu from the screen.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.

HELPFUL HINT

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.



How to Lock Channels using AutoLock™

After your personal access code has been set (see the previous page), you are ready to select the channels or inputs you want to block out or censor.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again display the AutoLock menu.

6 **Enter your four-digit ACCESS CODE.** *Correct* will flash very briefly and the AutoLock™ will be accessible.

7 **Press the CURSOR RIGHT** to enter the Lock Channel menu.

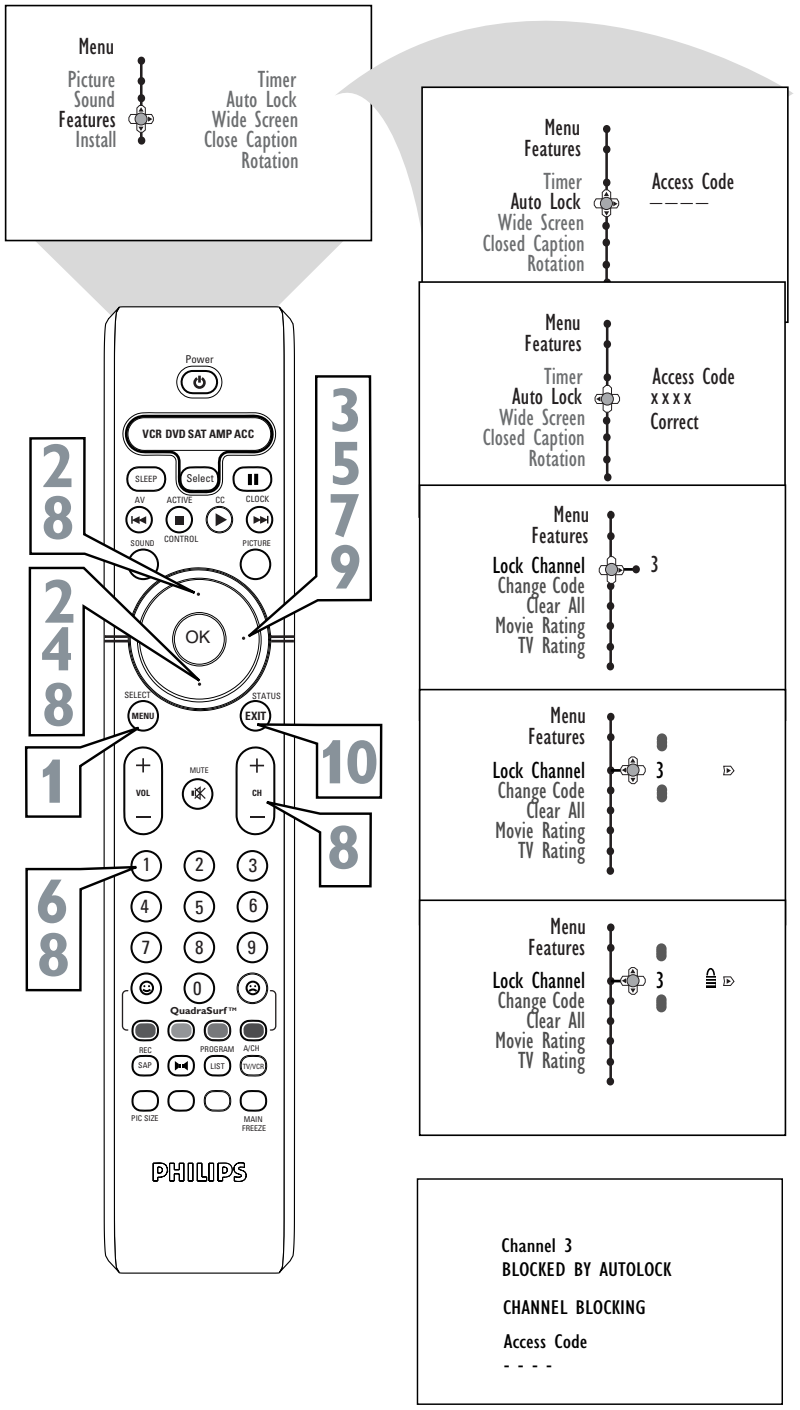
8 **Using the numbered buttons or the CH+ or CH- buttons** enter the channel you wish to lock. You can also use the CURSOR UP or CURSOR DOWN buttons to scroll to the channel you wish to block.

9 **Press the CURSOR RIGHT buttons** to activate the locking of a channel. A padlock image appears to the right of the channel number.

Repeat steps 8 and 9 for any channels you want to lock.

10 **Press the STATUS/EXIT button** to remove the menu from the screen.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.



Helpful Hint

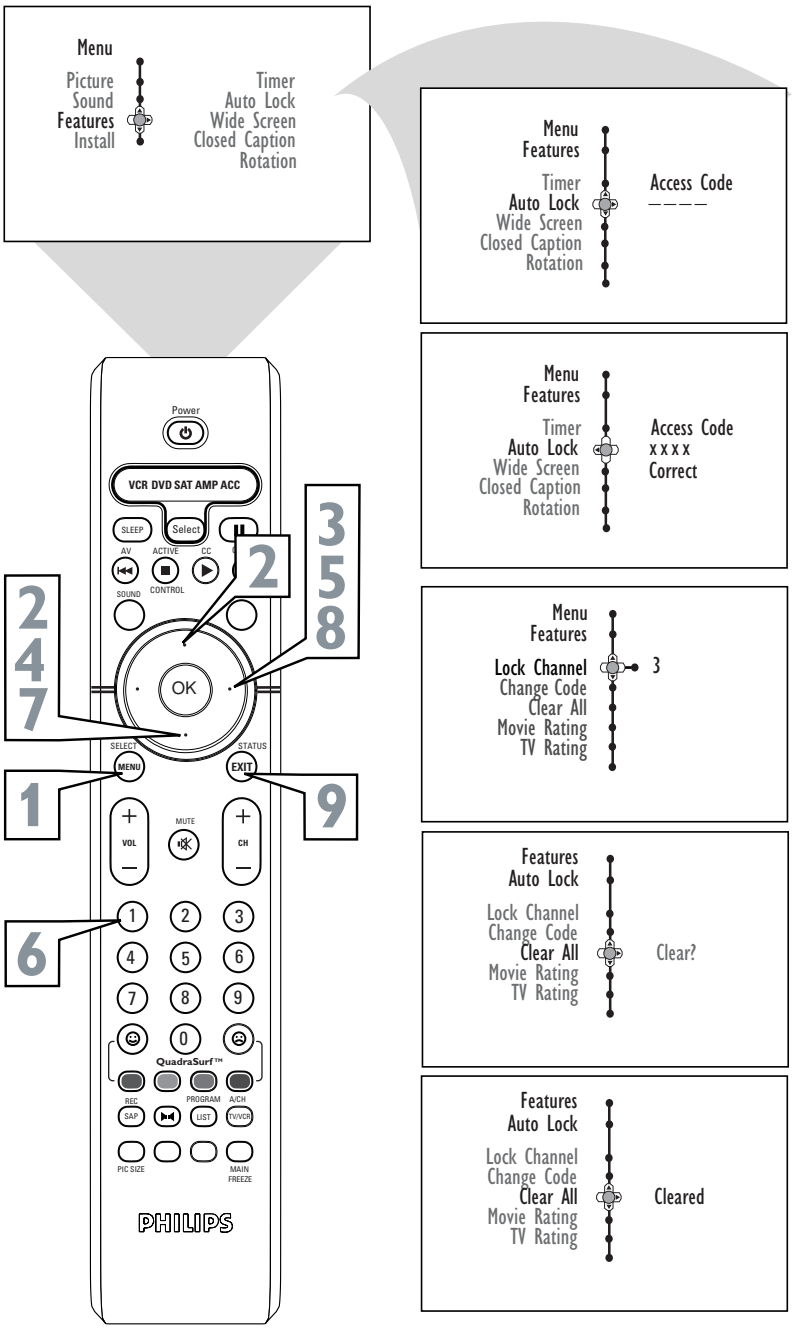
Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

If your access code is entered on a blocked channel, the current channel along with all other blocked channels will become unblocked until the TV is powered off. Blocked channels will not appear when the Channel + or – buttons are pressed.

How to Clear all Locked Channels at the Same Time

Various onscreen messages will appear when someone tries to view blocked programming. The message is determined by how the current programming is blocked. You may view the blocked programming and turn OFF the AutoLock™ feature by using the Clear All control or by entering your access code.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** to select the AutoLock™ control.
5. **Press the CURSOR RIGHT button** again to highlight ACCESS CODE.
6. **Enter your four-digit Access Code,** "Correct" will briefly appear on the screen and the AutoLock menu will be accessible.
7. **Press the CURSOR DOWN button** to select Clear All. Clear? will appear on the screen.
8. **Press the CURSOR RIGHT button** to activate the clearing of all channels.
9. **Press the STATUS/EXIT button** to remove the menu from the screen.



Helpful Hint

If you tune to a specific channel that has been blocked by BLOCK CHANNEL or any of the AutoLock™ RATING options, simply enter your four-digit access code to view the channel.

NOTE: This will unblock ALL channels until the TV is shut OFF. When powered back ON, all previously blocked channels will be blocked again.

BLOCKING PROGRAMS BASED ON MOVIE RATINGS

After your personal access code has been set, you can select specific movie ratings that you want to censor.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

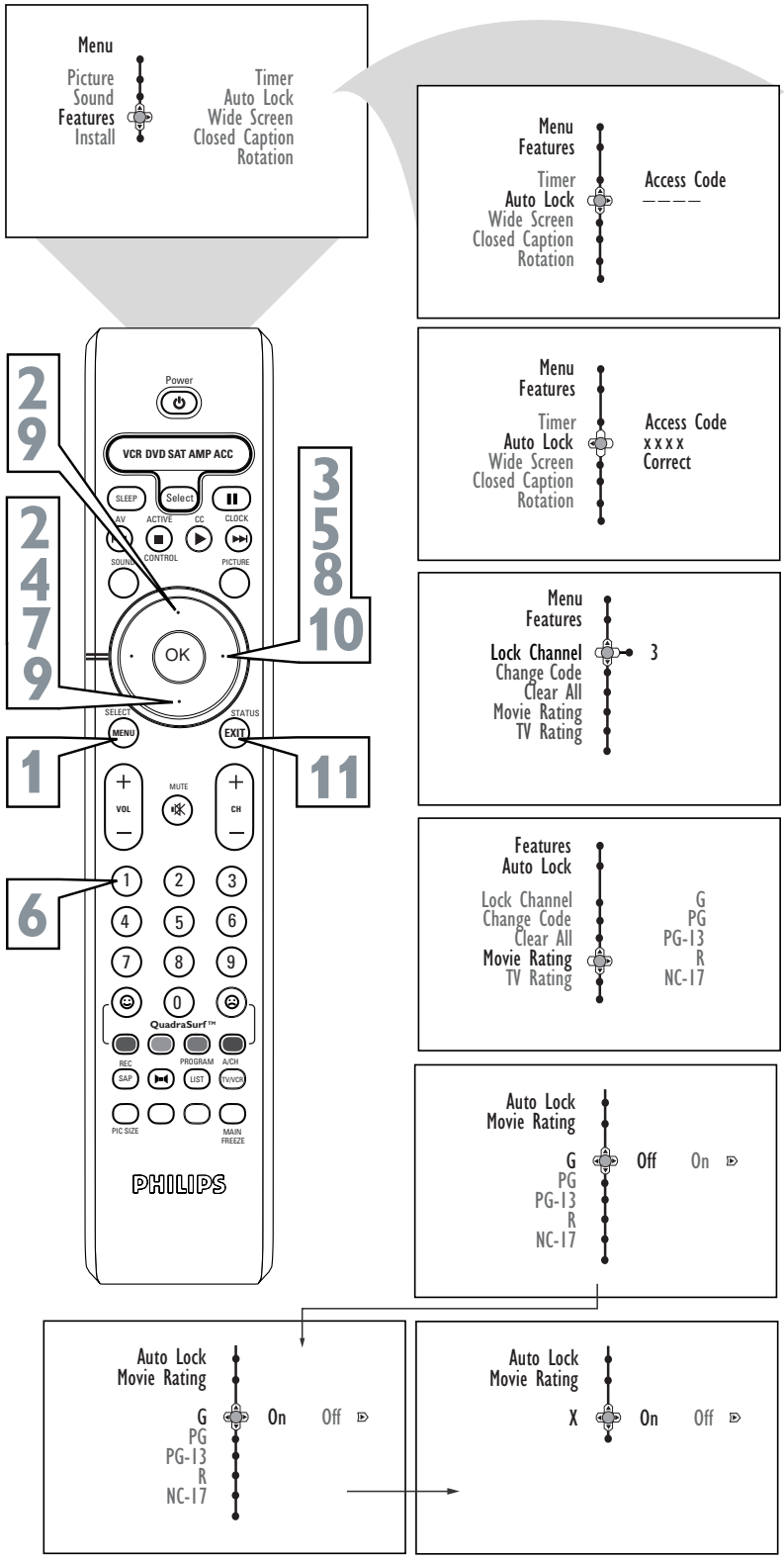
7 **Press the CURSOR DOWN** repeatedly until Movie Rating is highlighted.

8 **Press the CURSOR RIGHT button** and the Rating menu shifts to the left with *G* highlighted.

9 **Press the CURSOR UP or DOWN buttons to** highlight each rating you want.

10 **Press the CURSOR RIGHT button** to turn the rating ON or OFF. Turning the rating ON will block programs with that rating from being seen.

11 **Press the STATUS/EXIT button** to remove the menu from the screen.



HELPFUL HINT

When a rating is turned ON, all higher ratings also will be turned on automatically. For example, if the *R* rating is turned on, the *NC-17* and *X* ratings also will be turned on.

All Movie Ratings can be turned ON or OFF.

Refer to page 13 for Movie Rating definitions.

BLOCKING PROGRAMS BASED ON TV RATINGS

You can select specific TV ratings that you want to censor by following these steps.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

7 **Press the CURSOR DOWN button** repeatedly until TV Rating is highlighted.

8 **Press the CURSOR RIGHT button** to enter the TV RATING menu.

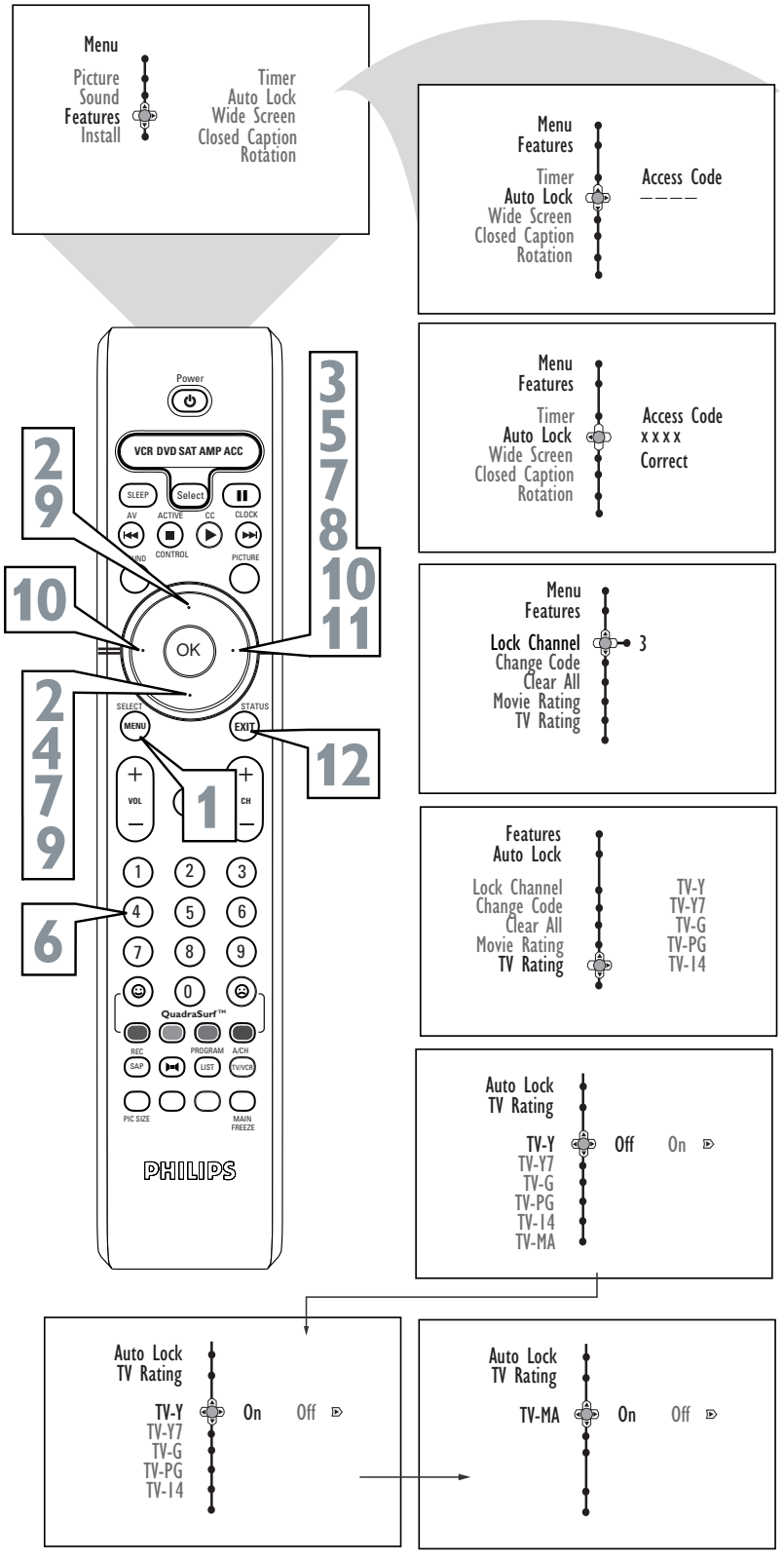
9 **Press the CURSOR UP or DOWN** to select a desired rating (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA) .

10 **Press the CURSOR RIGHT or LEFT** to turn the block on the rating ON or OFF.

NOTE: More specific subratings (for violence, sexual content, dialogue, or fantasy violence) are available for TV-Y7, TV-PG, TV-14, and TV-MA. (Refer to page 13 for definitions.)

11 To access these subratings, with the main rating selected, **press the CUR SOR RIGHT.** Then, repeat steps 8 and 10 to turn the sub-ratings ON or OFF.

12 **Press the STATUS/EXIT button** to remove the menu from the screen.



HELPFUL HINT

When a rating is turned ON, all higher ratings also will be turned on automatically. For example, if the *TV-Y7* rating is turned on, the *TV-14* and *TV-X* ratings also will be turned on.

OTHER AUTOLOCK™ BLOCKING OPTIONS

The AutoLock™ control offers the viewer other blocking options as well/ With Block Options, the censoring can be turned On or Off.

1 **Press the MENU/SELECT button** on the remote control to show the onscreen menu.

2 **Press the CURSOR UP or CURSOR DOWN button** to highlight Features.

3 **Press the CURSOR RIGHT button** to display the Features menu.

4 **Press the CURSOR DOWN button** to highlight the AutoLock™ control.

5 **Press the CURSOR RIGHT button** again to highlight Access Code.

6 **Enter your four-digit Access Code.** *Correct* will flash very briefly and the menu will move to the left with the AutoLock menu now accessible.

7 **Press the CURSOR DOWN button** repeatedly until Block Options is highlighted.

8 **Press the CURSOR RIGHT button** to enter the Block Options menu.

9 **Press the CURSOR UP or DOWN buttons** to select the desired block option.

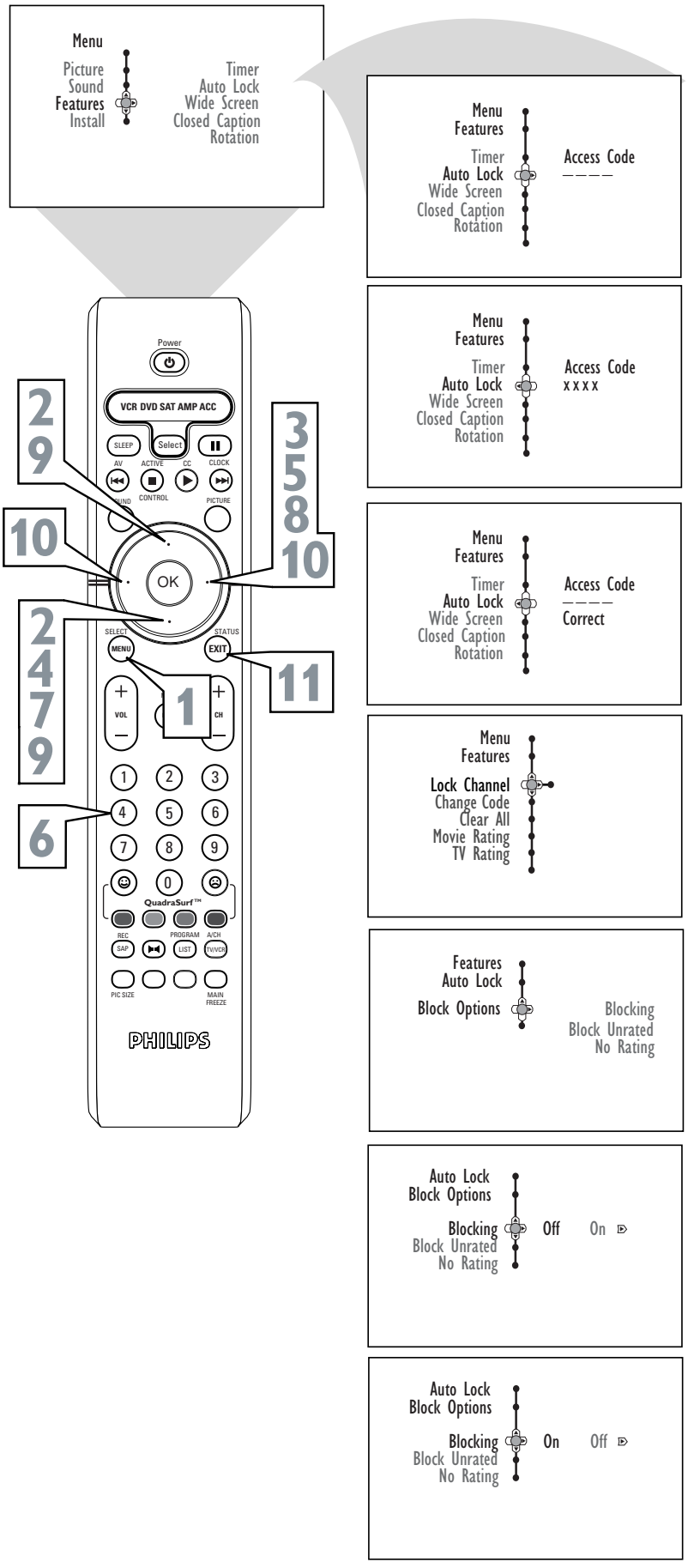
Blocking: Might be called the "master switch" for AutoLock™. When On, ALL blocking/censoring will take place. When Off, ALL blocking is disabled.

Block Unrated: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to On and the Blocking feature is set to OFF.

No Rating: ALL programming with NO content advisory data can be blocked if set to On and the Blocking feature is set to OFF.

10 **Press the CURSOR RIGHT or LEFT** to toggle BLOCKING ON or OFF.

11 **Press the STATUS/EXIT button** to remove the menu from the screen.



HELPFUL HINT

Remember, when the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

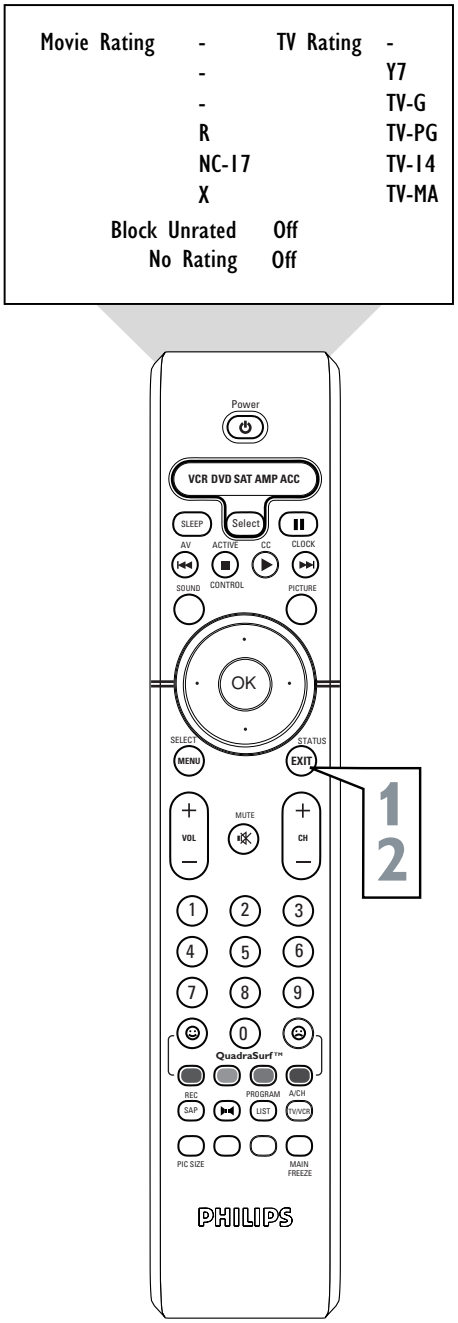
USING THE AUTOLOCK™ REVIEW SCREEN

To remind you wich rating you have locked and which Block Options you have selected, a review screen is available to review your AutoLock™ settings. To access this screen follow the steps below.

1 **Press the STATUS/EXIT button** on the remote control TWICE. Your AutoLock™ settings will appear on the screen.

NOTE: If you have blocked specific subratings, such as V for violence in the TV-PG category, these blocked subratings will not appear in the review. The subratings however are still blocked according to your selections.

2 After a few seconds, the settings will leave the screen automatically, or you can **press the STATUS/EXIT button** a third time to remove them from the screen.

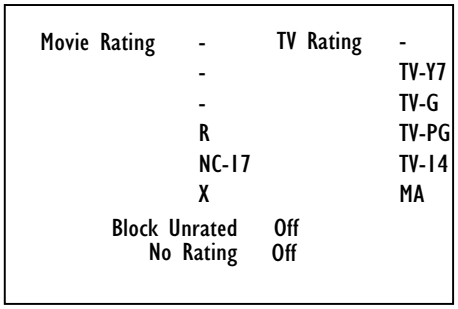


HELPFUL HINT

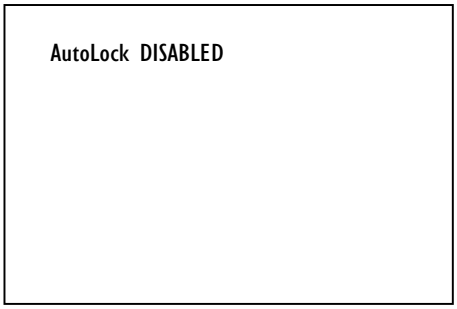
The AutoLock™ status screen will only appear if the Block option is set to On. See previous page for details.

AutoLock is set to Off by default.

This display will appear after Step One (above) is completed if the AutoLock™ Block Option is set to **On**.



This display will appear after Step One (above) is completed if the AutoLock™ Block Option is set to **Off**.



How to use the Format Controls

You can change the screen format size to match the type of program you're watching. Select the normal 4:3, Expand 4:3, or Compress 16:9. Compress 16:9 allows movies to be viewed in their full width (known as letter-box style).

1 **Press the MENU/SELECT button** on the remote control to show the on-screen menu.

2 **Press the CURSOR UP or CURSOR DOWN** twice to highlight Features.

3 **Press the CURSOR RIGHT** and the menu will shift to the left.

4 **Press the CURSOR DOWN** repeatedly until the Format control is highlighted.

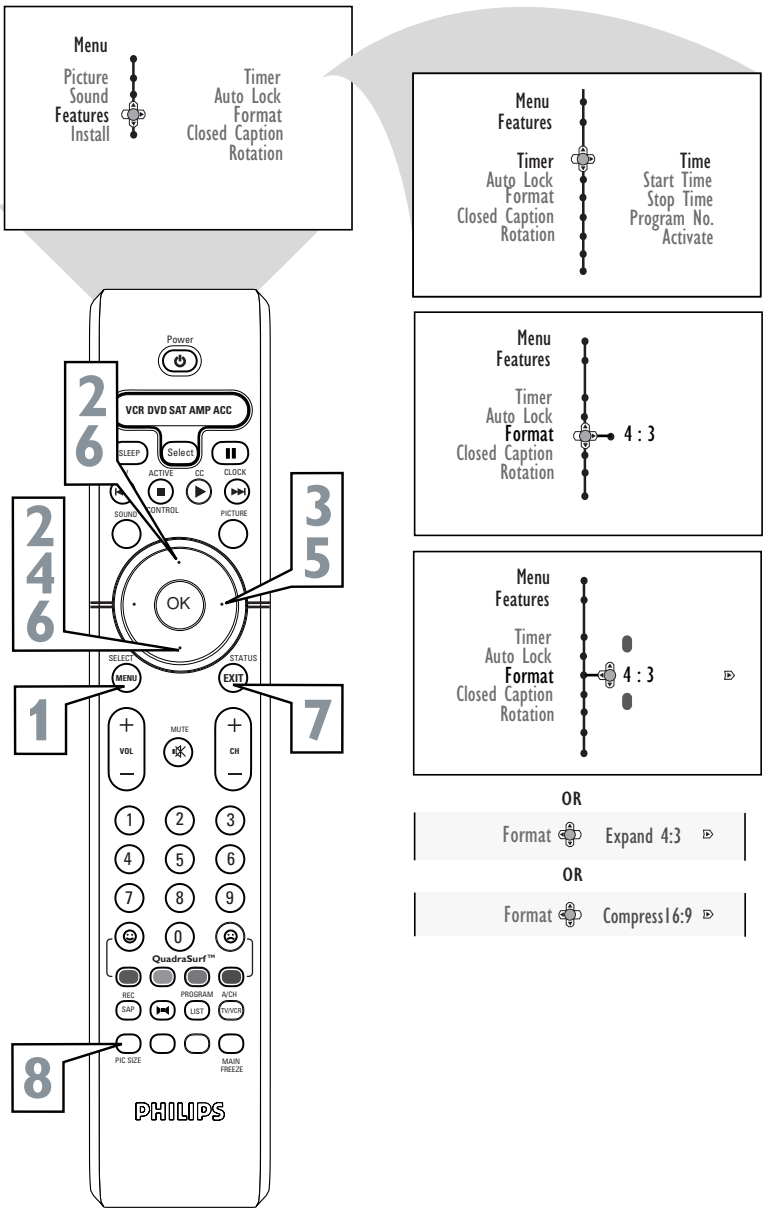
5 **Press the CURSOR RIGHT button** to enter the Format menu.

6 **Press the CURSOR UP or CURSOR DOWN** repeatedly to toggle among the screen format sizes – 4:3, Expand 4:3, and Compress 16:9.

7 **Press the STATUS/EXIT button** to remove the menu from the screen.

OR

8 You can toggle the screen format by repeatedly **pressing the PIC SIZE button** on the remote control.



IMPORTANT NOTE:

Some DVD Discs are encoded with as much as 30% more video information to give the viewer the best possible picture quality. With the DVD Player in the 16:9 picture format, the playback of this type of disc (containing extra video information), can produce a number of small white lines in the upper portion of the black letterbox area. With some of these discs, this situation is unavoidable and it does not require a service call.

How to use the Closed Caption Controls

Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

1 **Press the MENU/SELECT button** on the remote control to show the on-screen menu.

2 **Press the CURSOR UP or CURSOR DOWN** twice to highlight Features.

3 **Press the CURSOR RIGHT** button, the menu will shift to the left.

4 **Press the CURSOR DOWN** repeatedly until the Closed Caption control is highlighted.

5 **Press the CURSOR RIGHT** again. The menu will shift to the left and Caption Mode will be highlighted.

6 **Press the CURSOR RIGHT** to highlight Caption Modes.

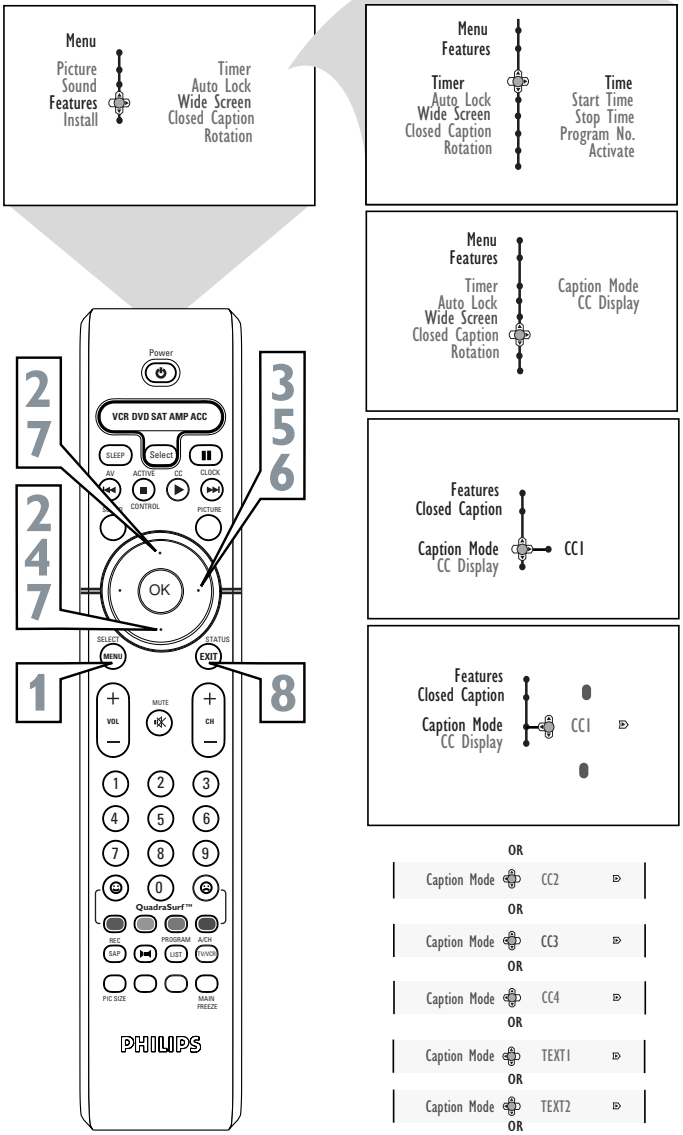
7 **Press the CURSOR UP or DOWN** to select a Caption Mode: CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4. CC Display turns text OFF or ON if the TV station broadcasting on the channel is making Closed Captioning available. With CC Display highlighted, press the CURSOR RIGHT to toggle Closed Captioning ON, OFF, or CC Mute.

NOTE: You also can press the CC button on the remote control to turn the CC Text option On or Off.

8 **Press the STATUS/EXIT button** to remove the menu from the screen.

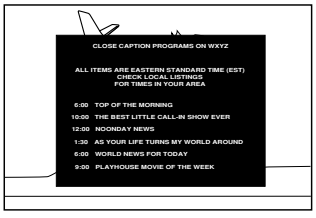
NOTE: When Closed Captioning is turned On, the screen will automatically change to the Wide screen format to allow text to fit on screen.

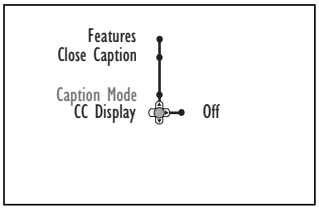
NOTE: Not all TV programs and product commercials are broadcast with Closed Captioning (CC). Nor are all Closed Captioning MODEs (CAPTION 1–4 or TEXT 1–4) necessarily being used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of shows being broadcast with Closed Captioning.



CAPTION Mode Example Display

TEXT Mode Example Display - The TV screen will be blocked from viewing.

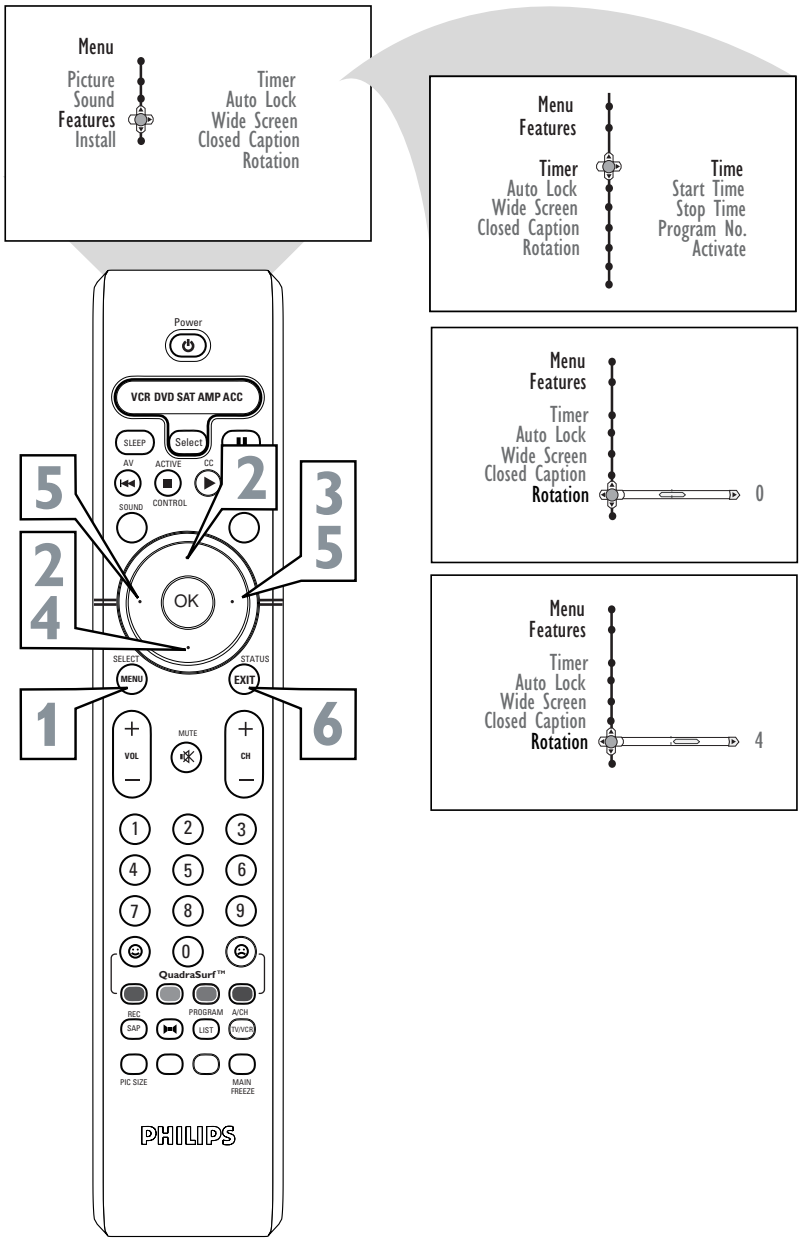

CLOSE CAPTION PROGRAMS ON WXYZ
ALL ITEMS ARE EASTERN STANDARD TIME (EST)
CHECK LOCAL LISTINGS
FOR TIMES IN YOUR AREA
6:00 TOP OF THE MORNING
10:00 THE BEST LITTLE CALL-IN SHOW EVER
12:00 NOONDAY NEWS
1:30 AS YOUR LIFE TURNS MY WORLD AROUND
6:00 WORLD NEWS FOR TODAY
9:00 PLAYHOUSE MOVIE OF THE WEEK

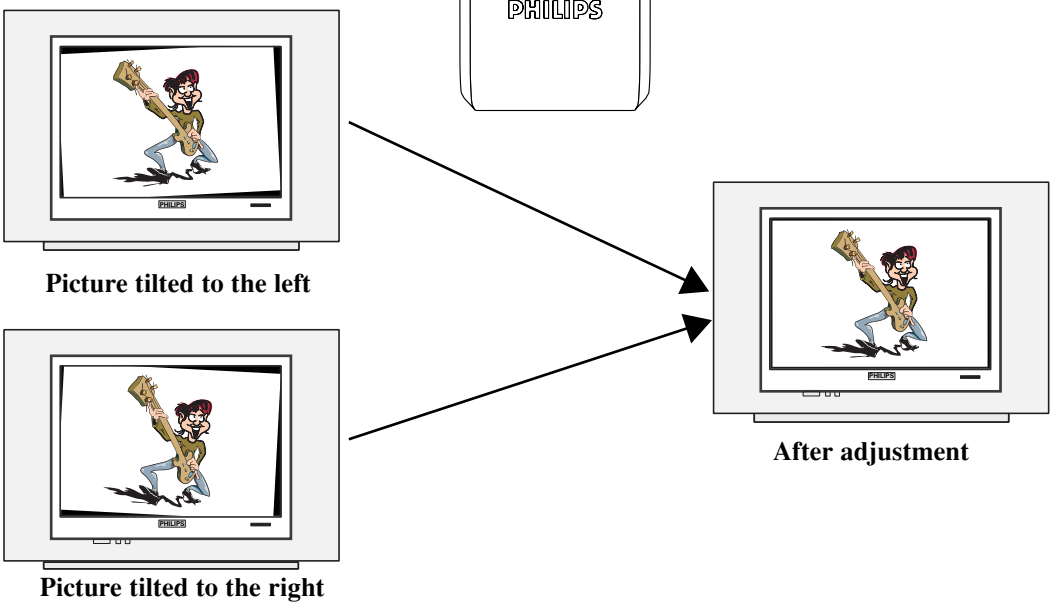


How to use the Rotation Controls

In rare cases the video supplied to the TV screen might show slightly tilted one way or another. The Tilt Adjust control will allow you to correct the problem by adjusting the screen in a clockwise or counterclockwise direction.

1. **Press the MENU/SELECT button** on the remote control to show the on-screen menu.
2. **Press the CURSOR UP or CURSOR DOWN** twice to highlight Features.
3. **Press the CURSOR RIGHT** and the menu will shift to the left.
4. **Press the CURSOR DOWN** repeatedly until the ROTATION control is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to rotate the picture on the screen clockwise or counter clockwise. Please note that the amount of rotation will be very minimal.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.

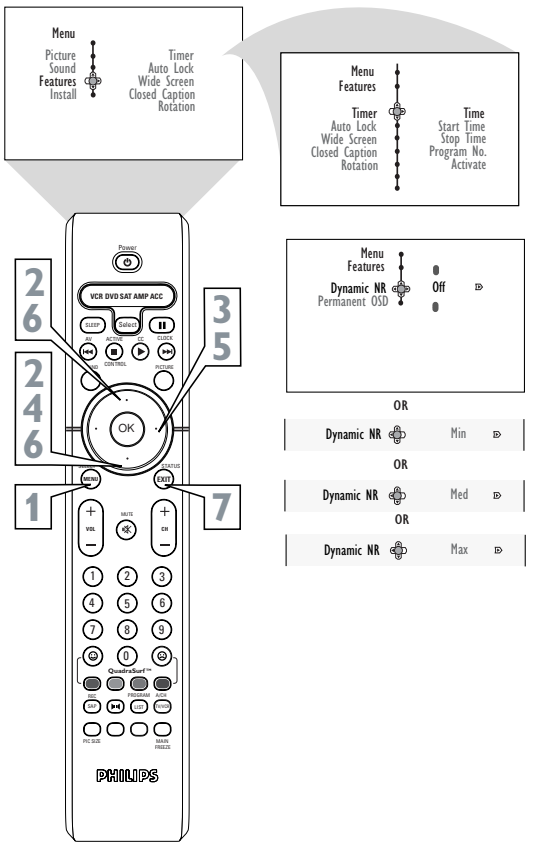




How to use the Dynamic NR (Noise Reduction) Control

The Dynamic Noise Reduction feature can help eliminate slightly "speckled" pictures (an indication of signal noise in the picture).

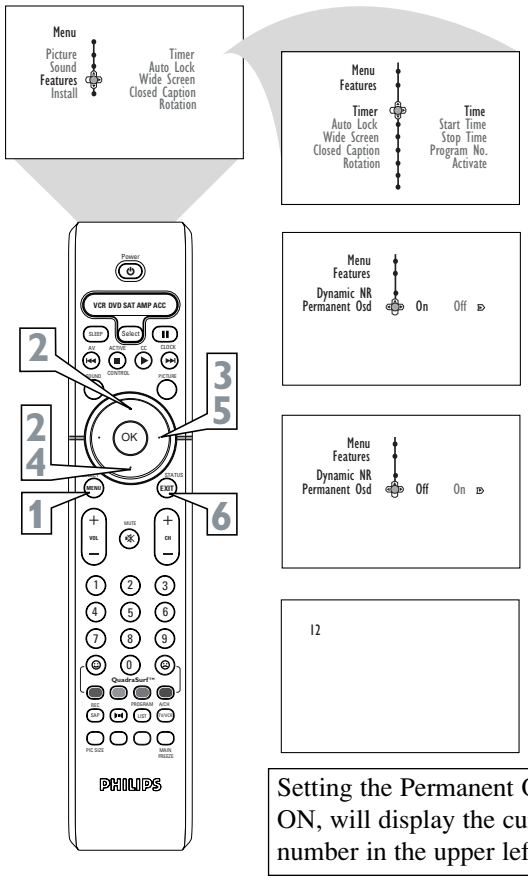
1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP or CURSOR DOWN** twice to highlight Features.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** repeatedly until the Dynamic NR control is highlighted.
5. **Press the CURSOR RIGHT button** to enter the Dynamic NR menu.
6. **Press the CURSOR UP or CURSOR DOWN button** repeatedly to select the desired Dynamic NR mode (Off, Min, Med, or Max).
7. **Press the STATUS/EXIT button** to remove the menu from the screen.



How to use the Permanent OSD (Onscreen Display) Control

The Permanent Osd control will store the TV's channel number in the upper left corner of the TV while the TV is on. Follow the steps to turn the feature On or Off.

1. **Press the MENU/SELECT button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP or CURSOR DOWN button** repeatedly to highlight Features.
3. **Press the CURSOR RIGHT button** to display the Features menu.
4. **Press the CURSOR DOWN button** repeatedly until the Permanent Osd control is highlighted.
5. **Press the CURSOR RIGHT button** to enter the Permanent Osd menu and toggle the On or Off selection.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.



Setting the Permanent OSD control to ON, will display the current channel number in the upper left of the screen.

How to Use The QuadraSurf Controls

A "list" or series of previously viewed channels can be selected with the QuadraSurf™ (colored) buttons on your remote control. With this feature you can easily switch between different TV programs that currently interest you. The QuadraSurf™ control allows you set up four different personal Surf lists using the colored buttons (on the remote control), each holding up to ten channels in its quick viewing "list."

1 **Press the CHANNEL (+) or (–) buttons** (or the NUMBER buttons) to select a channel to add to one of the SURF lists.

2 **Press the SMILEY ☺ button** on the remote control to ADD the channel to one of the SURF lists.

3 **Press the corresponding COLORED (Red, Green, Yellow or Blue) button** to add the channel to that button's Surf list. (Up to ten channels per button can be stored.)

Repeat steps 1 through 3 to add additional channels (up to 10) to each of the the SURF lists.

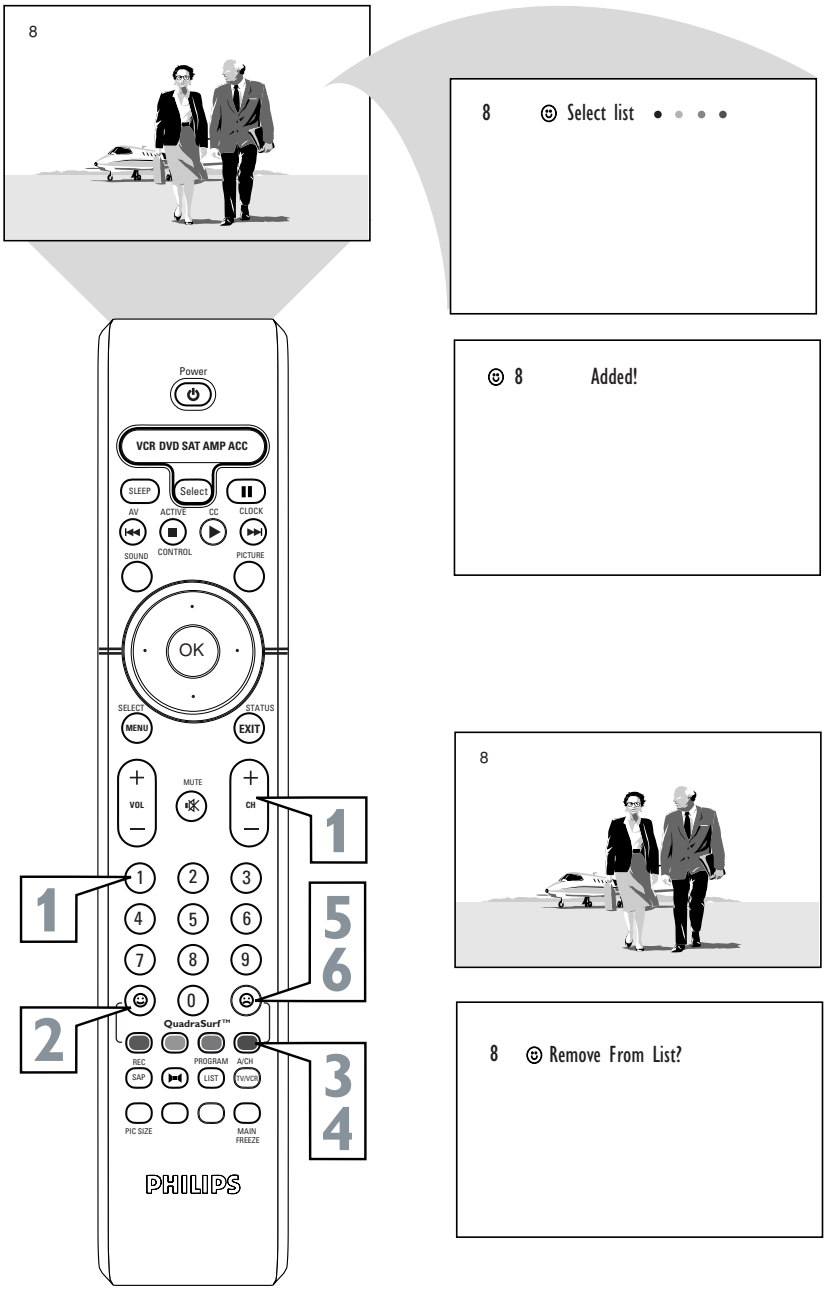
To remove a channel from one of the SURF lists;

4 **Press the COLORED QuadraSurf™ button** until the desired channel appears. The screen will display the channel number with a colored "Smiley" face to indicate the Colored button it relates to.

5 **While the "Smiley" face channel indicator is displayed, press the FROWNIE ☹ face button.** The screen will read, "Remove from List?"

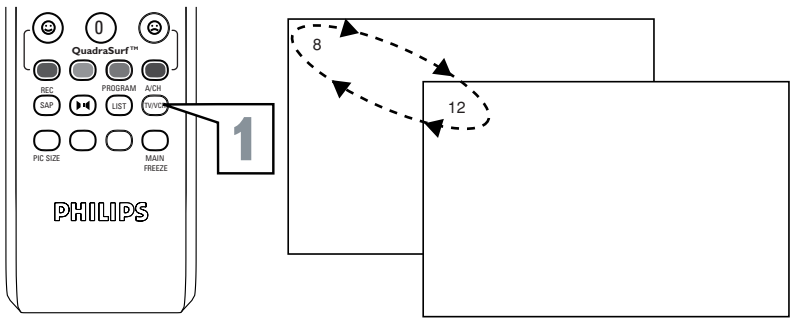
6 **Press the FROWNIE ☹ face button again** to confirm your decision to remove the channel from the Surf list.

Repeat steps 4-6 to remove other channels from Surf lists.



Alternate Channel

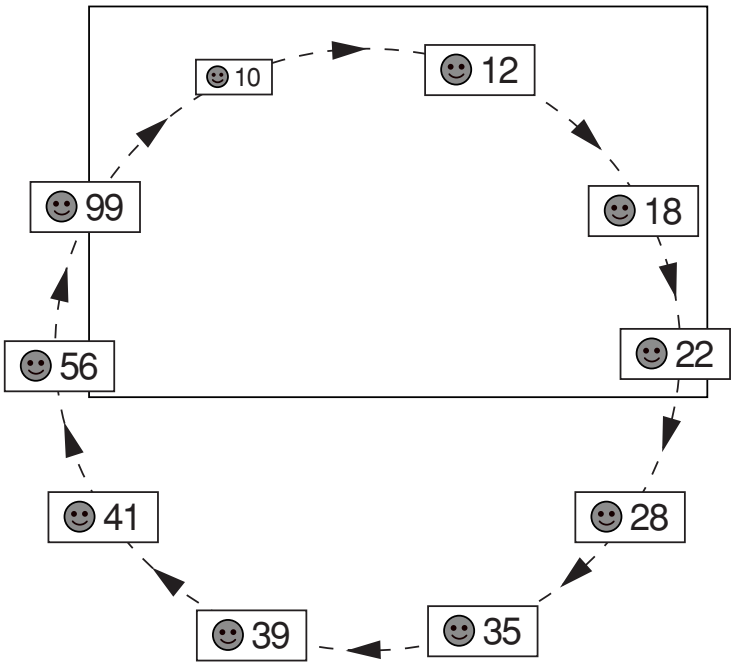
1 Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the Current and one previously selected channel.



How to Use The QuadraSurf Controls

The QuadraSurf™ buttons on your remote control allow you to store up to 10 channels per button (40 total). This is a great feature if you want to store all your favorite Sports channels, Movie channels, or News channels in one surf list. Family members can have there own favorite list of channels. You can even program the external A/V Input jacks for one of the buttons making it a "source" button for your external accessory devices.

Assuming channels have now been added to the four QuadraSurf™ lists (the four colored buttons on the remote, see the previous page), let's review how the feature works.



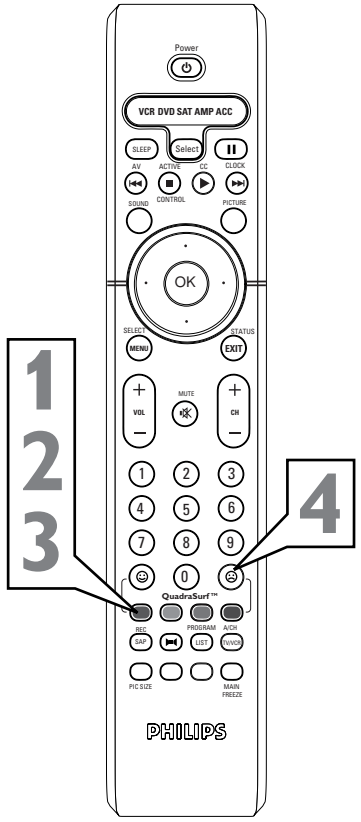
1 **Press one of the pre-programmed COLORED buttons** on the remote (Red, Green, Yellow or Blue). The screen will display a smiley face with the first programmed channel for that surf list.

2 **While the colored "smiley" face still appears on the screen, press the same COLORED button** on the remote to tune the second channel programmed for that specific surf list.

3 **Repeatedly pressing the same COLORED button** while the "smiley" face appears will tune all the programmed channels for that specific surf list. After the last channel is tuned, **pressing the COLORED button** again will return you to the first channel in the list.

Repeat steps 1-3 for the other three COLORED buttons (Surf lists) if desired.

4 **Pressing the "frownie" face button** will allow you to remove it from the list (see the previous page for more details).



How to use the Program List Control

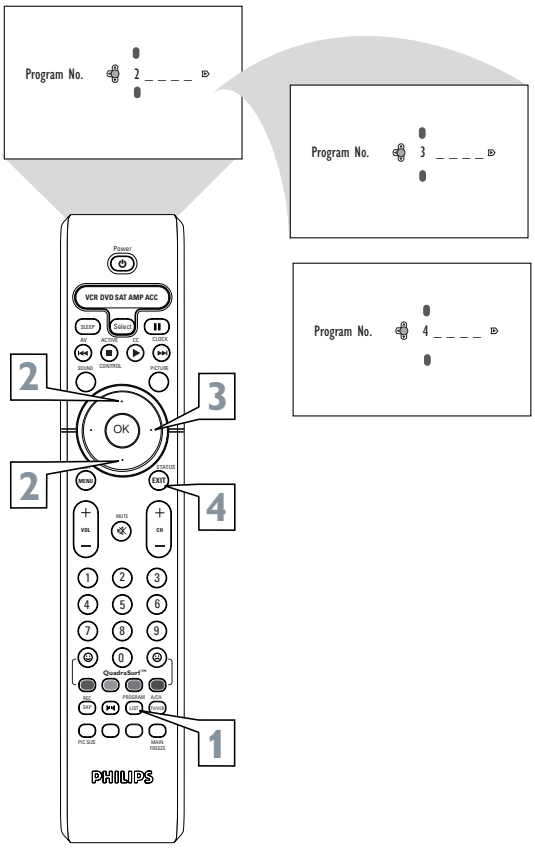
The Program List Control will allow you to quickly overview all the programmed channels that have been placed into the televisions memory (see the Auto Programming section of this manual for more details). program List will display the channel number, the name of the channel if you have given it one, and where it will have AutoLock turned On or Off.

1 **Press the PROGRAM LIST button** on the remote control to show the current list of installed channels (the current channel will be highlighted).

2 **Press the CURSOR UP or DOWN buttons** to scroll the list of channels, highlighting the one you want to activate.

3 **Press the CURSOR RIGHT button** to activate the channel. The TV will tune to that channel.

4 **Press the STATUS/EXIT button** to remove the menu from the screen.



How to use the Active Control

The Active Control monitors and adjusts incoming video signals to help provide the best picture quality.

When you choose to turn the Active Control ON, the picture sharpness and noise reduction are controlled automatically. Active Control adjusts these picture settings continuously and automatically.

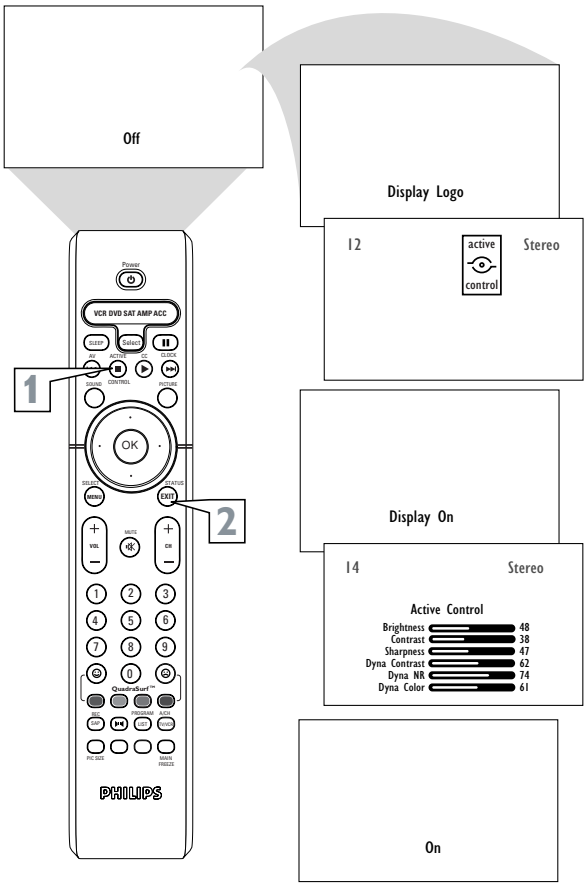
***NOTE:** Active Control is not available for signals connected to the AV4 inputs.*

1 **Press the ACTIVE CONTROL button** on the remote control to toggle the control options (Off, On, Display Logo, or Display On) and select the option that you want.

2 **Press the STATUS/EXIT** to remove the menu from the screen.

Helpful Hint

If Display On is selected, a display screen will appear when the channel is changed showing the picture setting. If Display Logo is selected, the Active Control logo will be displayed during channel changes.



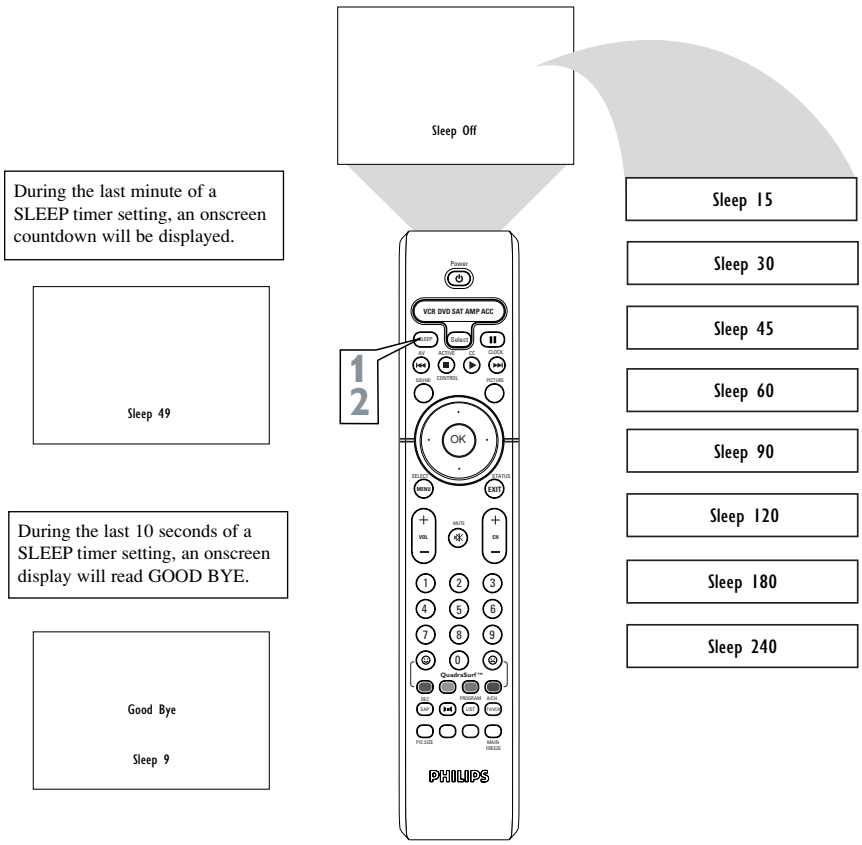
How to use the Sleeptimer Control

Have you ever fallen asleep in front of the TV, only to have it wake you up at two in the morning with a test pattern sound screeching in your ears? Well, your TV can enable you to avoid that discomfort by automatically turning itself off. With the Sleep Timer feature, you can set a timer to automatically switch the TV OFF after a period of time you choose (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes).

1 **Press the SLEEP button** on the remote control. The SLEEP timer onscreen display will appear in the upper part of the screen.

2 **Within five seconds, press the SLEEP button** repeatedly to pick the amount of time (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes) before the TV will turn itself off.

An onscreen countdown will appear during the last minute before the TV shuts itself off.



Helpful Hint

To see how many minutes remain before the TV shuts itself off, press the STATUS/EXIT button.

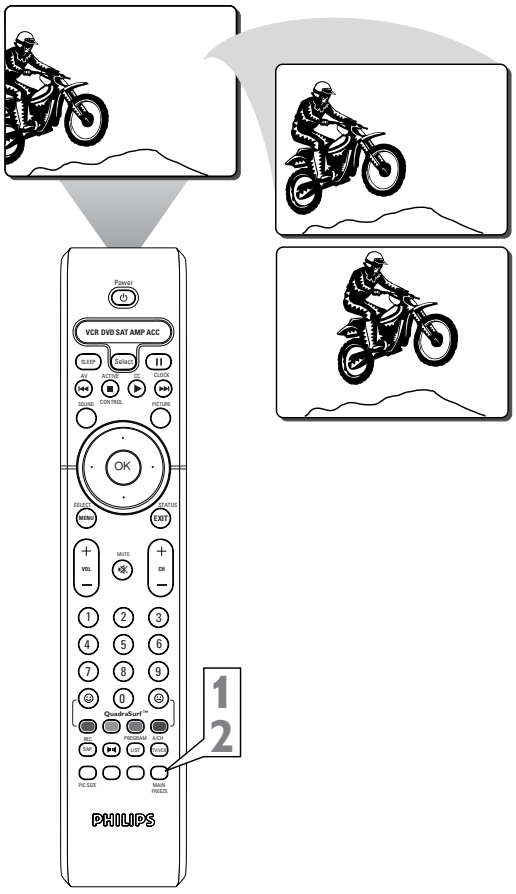
A Sleep Timer setting can be cancelled by pressing any button during the last minute of the operation.

How to use the Freeze Control

Have you ever wished you could freeze the picture on the television broadcast to write down a special telephone number or to capture a needed address? Your television will allow you to do just that with the press of just one button on the remote control.

1 With a signal on the television screen, simply **press the FREEZE button** on the remote control to stop the picture at any given moment.

2 **Press the FREEZE button** on the remote control again to resume normal viewing.



Helpful Hint

After freezing a picture on the screen, when the FREEZE control is turned OFF, the normal signal programming will be shown at it's present time. The signal that was being shown while the picture was frozen will not be viewable.

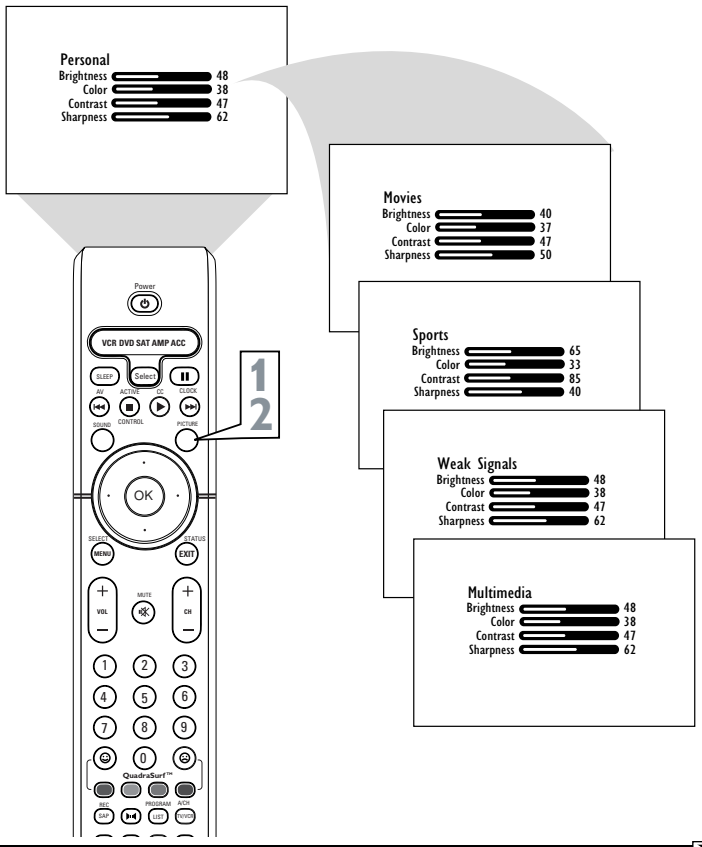
How to use the AutoPicture™ Control

Whether you're watching a movie or a video game, your TV has automatic video control settings that will match with your current program source or content. AutoPicture™ quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movies, Sports, Weak Signal, and Multimedia AutoPicture™ controls have been preset at the factory to automatically adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. The Personal AutoPicture™ settings are the ones that you made through the PICTURE options within the onscreen menu

1 **Press the PICTURE button** on the remote control. The current AutoPicture™ setting will appear in the middle of the screen.

2 **Press the PICTURE button repeatedly** to select either Personal, Movies, Sports, Weak Signal, or Multimedia picture settings.

NOTE: The PERSONAL setting and the PICTURE options within the onscreen menu are the same. This is the only option in AutoPicture™ that can be changed. To adjust these settings, use the PICTURE options within the onscreen menu. All other settings are set up at the factory during production and cannot be adjusted.



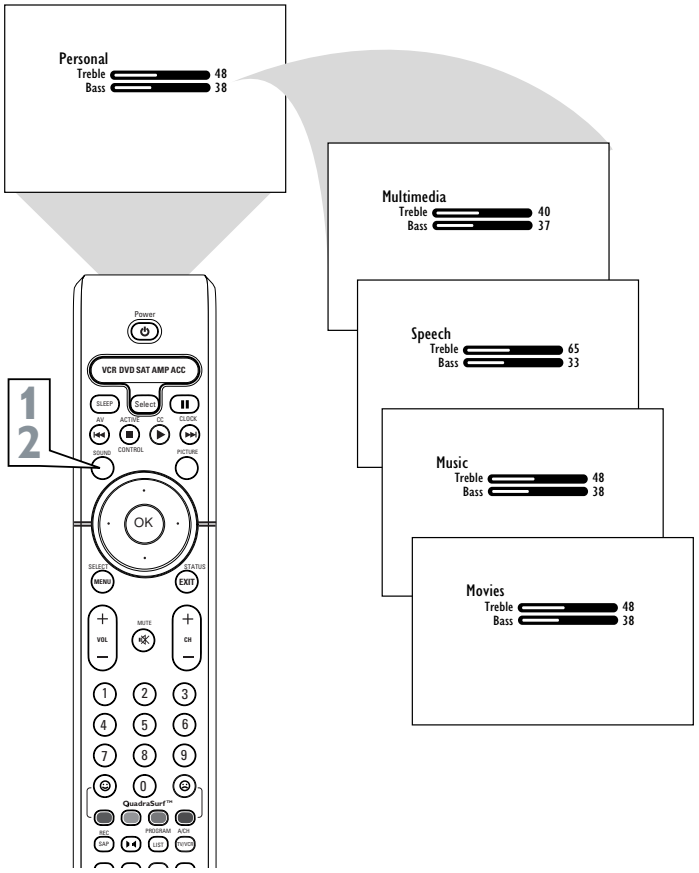
How to use the AutoSound™ Control

AutoSound™ allows you to select from four factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The four factory-set controls (Multimedia, Speech, Music, and Movies) enable you to tailor the TV sound so as to enhance the particular program you are watching. You can change the Personal setting to your preference. Follow these steps to select any of the options.

1 **Press the SOUND button** on the remote control. The current AutoSound™ setting will appear in the middle of the screen.

2 **Press the SOUND button repeatedly** to toggle among the settings: Personal, Multimedia,Speech, Music, or Movies.

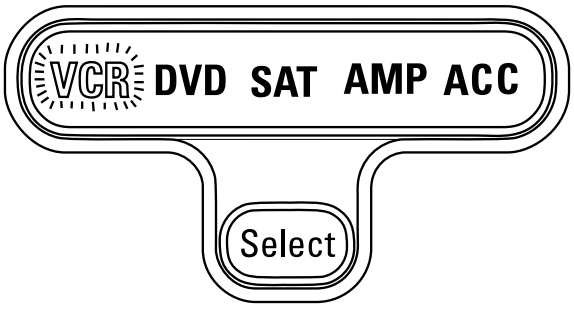
Remember, only the PERSONAL control can be changed by the viewer. This changes the settings in the main onscreen menu's SOUND controls.



Setting the Remote Control to Operate Accessory Devices

Mode Selection

The remote control that is supplied with your television may also work with a variety of infrared controlled accessory devices such as VCRs, Cable Boxes, DVD Players, Satellite Receivers, etc. The following instructions explain how to change the remote mode for the type of accessory device you are using. If you are using Philips accessory devices, such as a VCR, DVD Player, Satellite, and/or Amplifier, we have pre-programmed the remote control for you. For additional equiptment, you can program additional accessories using the ACC(essory) mode, see next page for details.



To select one of the pre-programmed devices:

1. **Press and release the SELECT button** on the remote control. The last used mode before TV-MODE will light up for 2 seconds. After 2 seconds, the LED for that MODE will begin to flash.

2. **Press and release the SELECT button** on the remote control within 2 seconds to move to the next MODE. The new MODE's LED will light for 2 seconds, then begin to flash.

3. **Repeat the steps above** to continue through the MODEs until the desired MODE is selected.

To select an accessory that has been programmed into the Universal (ACC) mode follow the steps below:

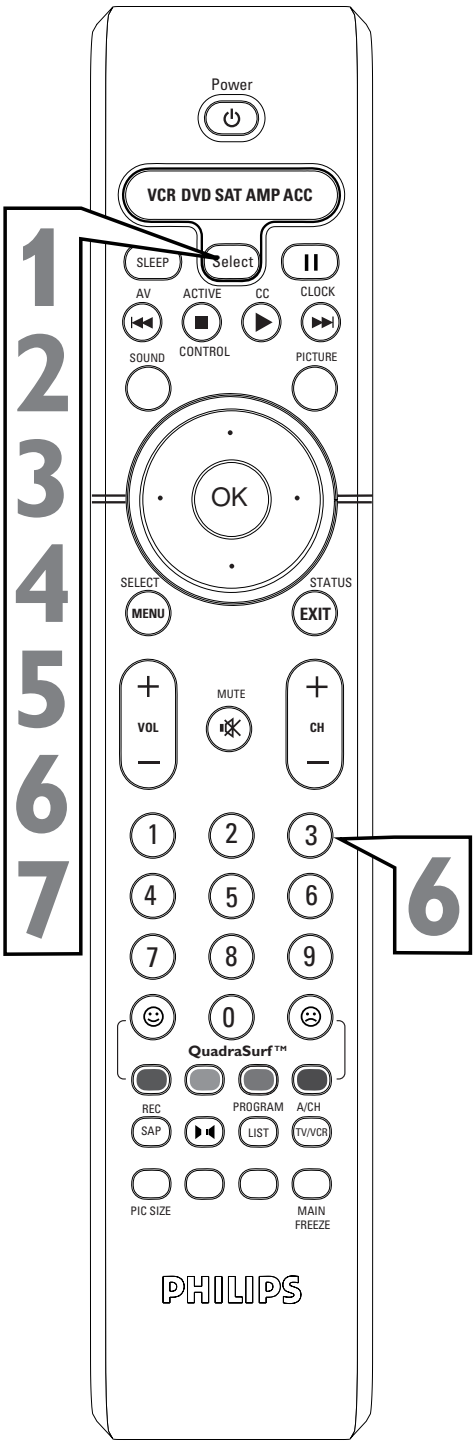
4. Press the SELECT button until the ACC device LED light is ON, it will only stay active (lit) for two seconds.

5. Within two seconds of selecting the ACC mode, **press and hold the SELECT button.**

6. **While holding the SELECT button down, press and release the NUMBER button** that corresponds to the type of accessory device you want to operate.

   Digit 2 = Cable
   Digit 3 = VCR
   Digit 4 = DVD
   Digit 5 = SAT

7. Release the SELECT button.



(Example: You have a VCR from Adventura and want to program the remote. It's code is 2001. Press and hold the SELECT button, then press and release the number 3 button. Now release the SELECT button. Now you're ready to use the remote to control the VCR.)

Note: Make sure you complete this step within two seconds of selecting the ACC mode.

Helpful Hint

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.

PROGRAMMING THE REMOTE CONTROL TO OPERATE ACCESSORY DEVICES

CODE ENTRY METHOD

The remote control supplied with your TV can also be programmed by entering a specific code for your type of accessory device. Follow the instructions below to program the remote using one of the codes listed on pages 32-34.

Note: You must be in TV mode to enter the programming setup. The remote is in TV mode when no LED device lights blink.

1 **Look up the codes for your brand of accessory device.**

2 **With the SELECT button held down, press the OK button. Next, release the OK button then release the SELECT button.** The ACC device light (LED) will blink once to confirm correct procedure. If the ACC light blinks twice, repeat step 2.

3 **Press the NUMBER button** that corresponds to the type of accessory device you are using.

Digit 2 = Cable

Digit 3 = VCR

Digit 4 = DVD

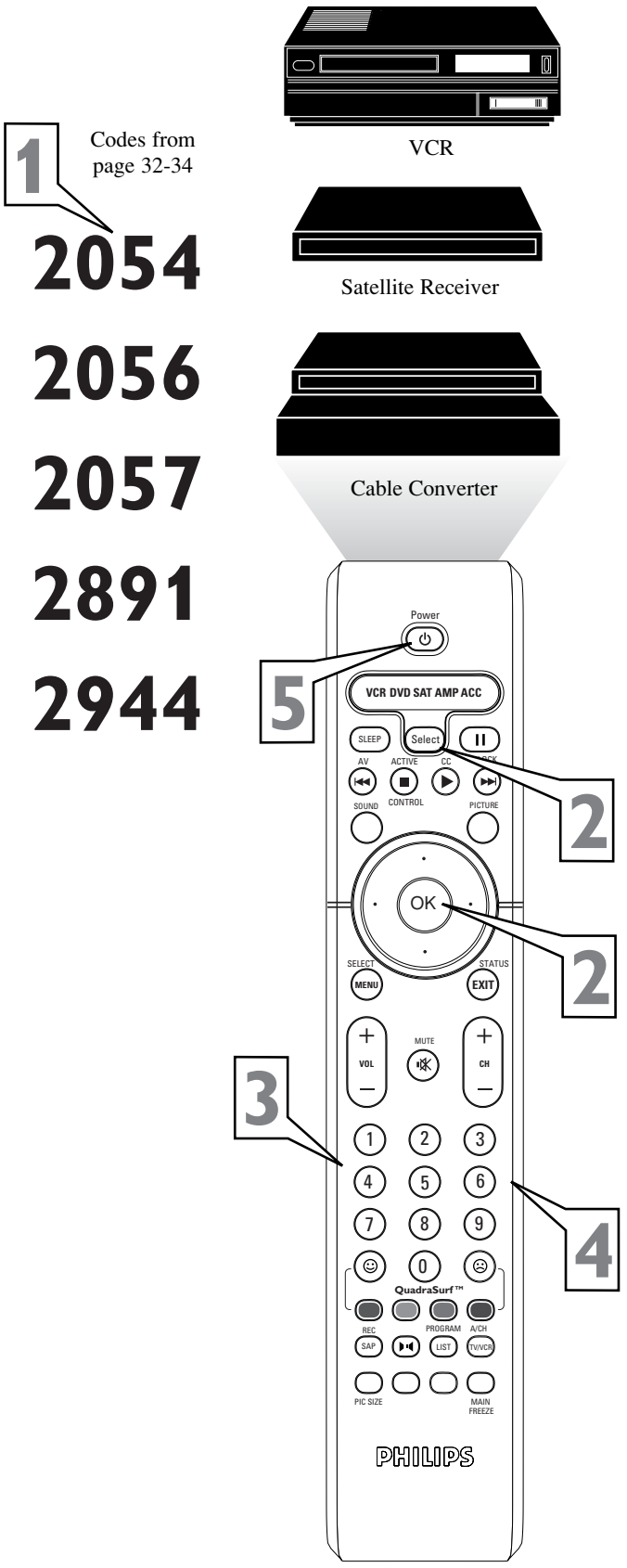
Digit 5 = SAT

Again, the ACC device light will blink once to confirm the correct procedure.

4 **Press the NUMBERED button to enter the 4 digit code number** from pages 32-34. Again, the ACC device light will blink once to confirm the correct procedure.

5 **Once the remote is in the correct ACC MODE (follow steps 4-7 on previous page) press the POWER button.** If the accessory device powers ON your finished. If it does not power ON, repeat the procedure with another code listed. If all codes fail, the remote will not control your specific accessory device.

(Example: You have a VCR from Adventura and want to program the remote. It's code is 2001. Press and hold the SELECT button, then press and release the OK button. Now release the SELECT button. Press the NUMBER 3 for VCR, then enter the listed four digit code; i.e.; 3, 2, 0, 0, 1.)



HELPFUL HINT

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.

VCR CODES

Admiral 2027, 2052
Adventura 2001
Aiko 2059
Aiwa 2001, 2017, 2062, 2070, 2072
Akai 2021, 2029, 2038, 2060, 2063
Akiba 2034
Alba 2011, 2034, 2052, 2059, 2063, 2072
Ambassador 2011
American Action 2059
American High 2015
Amstrad 2001, 2059, 2067, 2068
Anam 2017, 2042,
. . . . . 2054, 2057, 2059, 2082, 2084
Anam National 2042, 2054, 2087
Anitech 2034
Asa 2017, 2035
Asha 2057
Asuka 2017
Audiovox 2017
Baird 2001, 2021, 2037, 2039
Basic Line 2011, 2034, 2059
Beaumark 2057
Bell & Howell 2037
Blaupunkt 2003, 2005, 2010, 2014,
. . . . 2041, 2042, 2048, 2054, 2055, 2075
Brandt 2047, 2064, 2065
Brandt Electronic 2021
Broksonic .2002, 2040, 2046, 2052, 2078
Bush 2034, 2052, 2059, 2072
Calix 2017
Canon 2015
Capehart 2011
Carver 2035
Catron 2011
CCE 2034, 2059
CGE 2001
Cimline 2034
Cineral 2059
Citizen 2017, 2059
Clatronic 2011
Colt 2034
Combitech 2072
Condor 2011
Craig 2017, 2026, 2034, 2057, 2058
Crown 2011, 2034, 2059
Curtis Mathes . . .2015, 2021, 2032, 2042
Cybernex 2057
Cyrus 2035
Daewoo . . .2011, 2024, 2025, 2059, 2083
Dansai 2034
Daytron 2011
De Graaf 2022, 2043
Decca 2001, 2035
Denon 2022
Dual 2021
Dumont 2001, 2035, 2037
Dynatech 2001
Elbe 2018
Elcatech 2034
Electrohome 2017
Electrophonic 2017
Emerex 2012
Emerson . .2001, 2002, 2017, 2023, 2040,
. . . .2046, 2051, 2052, 2059, 2078, 2083
ESC 2057, 2059
Ferguson 2021, 2039, 2064, 2065
Fidelity 2001
Finlandia 2035, 2037
Finlux 2001, 2022, 2035, 2037
Firstline . . .2017, 2023, 2024, 2034, 2052
Fisher 2025, 2026, 2030, 2037
Frontech 2011
Fuji 2015
Funai 2001
Garrard 2001
GE 2015, 2027, 2032, 2057
GEC 2035
General 2011
Go Video 2077, 2081
Goldhand 2034
Goldstar 2017, 2018, 2053, 2079
Goodmans .2001, 2017, 2034, 2059, 2075
Gradiente 2001, 2008
Graetz 2005, 2021, 2037, 2057
Granada 2025, 2035, 2037
Grandin 2001, 2017, 2034
Grundig . .2003, 2005, 2007, 2010, 2034,
.2035, 2048, 2050, 2054, 2069, 2071, 2075
Hanseatic 2017
Harley Davidson 2001
Harman/Kardon 2018, 2035
Harwood 2034
HCM 2034
Headquarter 2025
Hinari 2004, 2034, 2057, 2072
Hi-Q 2026
Hitachi 2001, 2004, 2021, 2022, 2043, 2057
Hughes Network Systems 2022
Hypson 2034
Imperial 2001
Ingersol 2004
Interfunk 2035
ITT 2005, 2021, 2025,
. . . . . .2037, 2038, 2057, 2074
ITV 2017, 2059
Jensen 2021
JVC 2008, 2021, 2033,
. . . . . .2049, 2050, 2074, 2080
Kaisui 2034
KEC 2017, 2059
Kendo 2038, 2052
Kenwood 2018, 2021, 2033
KLH 2034
Kodak 2015, 2017
Korpel 2034
Layco 2034
Lenco 2059
LG 2079
Lloyd's 2001, 2051
Loewe 2004, 2005, 2017, 2035
Logik 2004, 2034, 2057
Luxor 2023, 2025, 2027, 2037, 2038
LXI 2017
M Electronic 2001
Magnasonic 2059
Magnavox 2001, 2015, 2019, 2035
Magnin 2057
Manesth 2024, 2034
Marantz 2003, 2005, 2015, 2035
Marta 2017
Matsui .2004, 2016, 2036, 2052, 2070, 2072
Matsushita 2015, 2042, 2055
Mei 2015
Melectronic 2018
Memorex 2001, 2015, 2017,
. . . . . .2019, 2025, 2026, 2027, 2037,
. . . .2052, 2057, 2062, 2085, 2087, 2088
Memphis 2034
Metz 2003, 2005, 2017,
. . . . . 2042, 2048, 2055, 2069
MGA 2023, 2057
MGN Technology 2057
Mincrva 2048
Minerva 2005, 2010, 2048
Minolta 2022
Mitsubishi .2023, 2027, 2033, 2035, 2045
Motorola 2015, 2027
MTC 2001, 2057
Multitech 2001, 2034
Murphy 2001
NAD 2031
National 2054
NEC 2018, 2020, 2021, 2033, 2037
Neckermann 2035
Nesco 2034
Nikko 2017
Nikon 2014
Noblex 2057
Nokia 2025, 2037, 2038, 2057
Nokia 2021, 2025, 2037, 2038, 2057
Nordmende .2021, 2061, 2064, 2065, 2074
Oceanic 2001, 2021
Okano 2063, 2070
Olympus 2015, 2054
Optimus 2017, 2027, 2031,
. . . 2037, 2042, 2077, 2086, 2087, 2088
Orion 2002, 2004, 2016,
. . . .2036, 2046, 2052, 2070, 2072, 2078
Osaki 2001, 2017, 2034

REMOTE CONTROL DIRECT ENTRY CODES FOR ACCESSORY DEVICES

VCR Codes Cont'd

Otto Versand 2035
Palladium 2005, 2017, 2021, 2034
Panasonic 2015, 2042,
. . . . . .2053, 2054, 2055, 2087
Pathe Cinema 2016
Pathe Marconi 2021
Penny 2015, 2017, 2018, 2020, 2022, 2057
Pentax 2022
Perdio 2001
Philco 2015, 2018, 2052, 2078
Philips . . .2015, 2035 (DEFAULT VCR),
. . . . . .2074, 2075
Phonola 2035
Pilot 2017
Pioneer 2031, 2033, 2035
Portland 2011
Profex 2066
Profitronic 2057
Proline 2001
Proscan 2032
Protec 2034
Pulsar 2019
Pye 2035
Quarter 2025
Quartz 2025
Quasar 2015, 2042, 2087
Quelle 2035
Radio Shack 2001, 2085
Radiola 2035
Radix 2017
RCA 2015, 2022, 2027, 2032, 2038, 2057
Realistic 2001, 2015,
. . . . . .2017, 2025, 2026, 2027, 2037
REX 2021, 2074
RFT 2075
Ricoh 2014
Roadstar 2017, 2034, 2057, 2059
Runco 2019
Saba 2021, 2049, 2050,
. . . . . 2061, 2064, 2065, 2074
Saisho 2004, 2016, 2036, 2052
Salora 2023, 2025, 2038
Samsung 2024, 2057, 2076, 2077
Sanky 2019, 2027
Sansui 2001, 2021,
. . . . . .2033, 2052, 2058, 2078
Sanyo 2025, 2026, 2037, 2057
Saville 2072
SBR 2035
Schaub Lorenz . .2001, 2005, 2021, 2037
Schneider 2001, 2034, 2035
Scott 2023, 2024, 2040, 2046
Sears 2001, 2015,
. . . . . .2017, 2022, 2025, 2026, 2037
SEG 2057, 2066
SEI 2004, 2035
Seleco 2021
Semp 2024
Sentra 2011
Sharp 2027, 2073
Shintom 2034, 2037
Shogun 2057
Shorai 2004
Siemens 2003, 2005,
. . . .2010, 2017, 2030, 2035, 2037, 2048
Silva 2017
Singer 2024, 2034
Sinudyne 2004, 2035
Solavox 2011
Sonolor 2025
Sontec 2017
Sony 2001, 2012, 2013, 2014, 2015
STS 2022
Sunkai 2070
Sunstar 2001
Suntronic 2001
Sylvania 2001, 2015, 2023, 2035
Symhonic 2001
Tashiko 2001
Tatung 2001, 2021, 2035
Teac 2001, 2021
TEC 2011
Technics 2015, 2042, 2054
Teknika 2001, 2015, 2007, 2017
Teleavia 2021
Telefunken 2021, 2047, 2058, 2064, 2074
Tenosal 2034
Tensai 2001, 2066
Thomas 2001
Thomson 2021, 2064, 2074
Thorn 2016, 2021, 2037
TMK 2051, 2057
Toshiba . . .2021, 2023, 2024, 2035, 2074
Totelevision 2017, 2057
Towada 2066
Uher 2057
Unitech 2057
Universum 2001, 2006, 2010,
. . . .2017, 2035, 2038, 2048, 2057, 2067
Vector 2024
Vector Research 2018, 2020
Victor 2008, 2021, 2033
Video Concepts 2020, 2024
Videosonic 2057
Wards 2001, 2015, 2022,
. . . .2026, 2027, 2032, 2034, 2035, 2057
White Westinghouse 2052, 2059
XR-1000 2001
XR-1001 2015
XR-1002 2034
Yamaha 2018
Yamishi 2034
Yokan 2034
Yoko 2011, 2057
Zenith 2001, 2014, 2019, 2052, 2078

DVD Codes

Akai 5316
Harman/Kardon 5314
JVC 5311, 5318
Kenwood 5307
Magnavox 5302
Mitsubishi 5303
Onkyo 5302, 5317, 5319
Panasoni 5301, 5322
Philips . . .5302, 5308 (DEFAULT DVD)
Pioneer 5305, 5312, 5321
Proscan 5304
RCA 5304
Samsung 5313
Sharp 5320
Sony 5306
Technics 5301
Theta Digital 5312
Thomson 5310
Toshiba 5302
Yamaha 5301, 5309

Cable Box Codes

ABC 3002, 3003, 3004, 3006, 3008
Andover 3037
Bell & Howell 3006
Birgmingham Cable Communication . . .3020
British Telecom 3002, 3012
Cabletime 3016, 3019, 3025, 3029
Clyde 3011
Contec 3009
Cryptovision 3038
Daehan 3043
Daeryung 3003
Decsat 3027
Everquesst 3007
Filmnet 3028
France Telecom 3030
GEC 3011
Gemini 3007
General Instrument . .3004, 3020, 3031, 3046
Goldstar 3014, 3047
Grundig 3035
Hitachi 3004
Jasco 3007
Jerrold 3002, 3004, 3005,
. . . . . .3006, 3007, 3020, 3031, 3046
LG Alps 3044
Memorex 3001
Mnet 3009, 3028
Now 3041

REMOTE CONTROL DIRECT ENTRY CODES FOR ACCESSORY DEVICES

Cable Box Codes

Now 3041
Oak 3009
Pacific 3039
Panasonic 3001, 3013
Paragon 3001
Pioneer 3014, 3036
Pulsar 3001
PVP Stereo Visual Matrix 3002
Quasar 3001
Radio Shack 3007
Rembrandt 3004
Runco 3001
Salora 3026
Samsung 3014, 3040
Satbox 3024
Scientific 3003, 3032, 3049
Scientific Atlanta 3003, 3008, 3021
Seawoo 3045
Signal 3007
Signature 3004
Starcom 3002, 3007
Stargate 3007
Starquest 3007
STS 3015
Taihan 3043
Tele+1 3028
Teleservice 3022
Tocom 3005
Tongkook 3042, 3048
Toshiba 3001
Tudi 3023
Tusa 3007
United Cable 3002
Videoway 3017
Visicable+ 3033
Westminster 3012
Wolsey Gene 3037
Zenith 3001, 3034

Satellite Receiver Codes

Absat 4006
Alba 4029, 4034, 4037, 4052
Aldes 4019
Amstrad . . . . . .4003, 4016, ...4025, 4038, 4039, 4042
Ankard 4013, 4019, 4030, 4044
Anttron 4009, 4034
Armstrong 4015
AST 4027
Astra 4005
Astro 4008, 4039, 4045
Avalon 4031
Axis 4030, 4046
Beko 4010
Best 4030
Blaupunkt 4008
Boca 4015, 4043
Brain Wave 4022
British Sky Broadcasting 4058
BT 4053
Bush 4002
Cambridge 4024
Canal Satellite 4059
Canal+ 4059
Channel Master 4029
CNT 4045
Comlink 4019
Connexions 4031
Crown 4015
Cyrus 4011
D-Box 4054
DDC 4029
DNT 4011, 4031
Echostar 4031, 4036, 4061
Emanon 4034
Ferguson 4002, 4009, 4010, 4023
Fidelity 4016
Finlux 4005, 4024, 4032, 4037
Fracarro 4061
Freecom 4034
FTE Humax 4060
Fube 4030, 4031, 4034
Galaxis 4019, 4057, 4060
General Instrument 4012
Gold Box 4059
Gooding 4048
Goodmans 4010
Grundig 4008, 4010, 4048
G-sat 4009
Hinari 4009
Hirschimann . . .4008, 4032, 4039, 4040, 4049
Hitachi 4037
Houston 4053
Huth 4013, 4015, 4019, 4026
Intervision 4050
Invideo 4061
ITT 4005
Johansson 4022
JVC 4048
Kathrein .4004, 4006, 4008, 4011, 4035, 4041
Kreiselmeyer 4008
Kyostar 4034
La Sat 4043, 4045
Lenco 4034
Lennox 4050
Lupus 4030
Luxor 4005, 4049
Manhattan 4037, 4045, 4050
Marantz 4011
Maspro 4004, 4023
Matsui 4024, 4048
Mediamarkt 4015
Mediasat 4059
Minerva 4048
Morgan's 4015, 4043
Navex 4022
Neuhaus 4039
Neusat 4057
Newhaus 4013
Nokia .4005, 4032, 4037, 4049, 4054, 4063
Nordmende 4029
Orbitech 4039
Oxford 4024
Pace . . . . . .4002, 4009, 4014, ...4023, 4037, 4055, 4058
Palladium 4048
Palsat 4039
Panda 4037
Philips . . . . . .4007, 4011, ...4020, 4037, 4048, 4059
Phonotrend 4019, 4050
Pioneer 4021, 4059
Planet 4061
Promax 4037
Prosat 4019
Quadral 4029, 4044
Radiola 4011
Radix 4031, 4064
RFT 4011, 4013, 4019
Saba 4023, 4045
Sabre 4037
Sagem 4056
Salora 4005
SAT 4027, 4038
Satcom 4026, 4051
Satec 4009
Satmaster 4026
Satpartner 4022, 4034, 4040, 4045
Schwaiger 4009, 4041
Seemann 4031, 4046
SEG 4030, 4034
Siemens 4008
Skymaster 4019, 4044, 4051
Sony 4017, 4018
Strong 4062
Sunstar 4043
Tantec 4023, 4037
Techniland 4026
Technisat 4001, 4039
Telefunken 4034
Teleka 4015, 4052

REMOTE CONTROL ACCESSORY DEVICE RELATED BUTTONS

When using the TV remote control with an external accessory device, first make certain the proper mode is selected and the remote has been programmed to control the device (see pages 30-31).

1 **Press the SELECT button** repeatedly to highlight the proper accessory mode (VCR, DVD, SAT, AMP, or ACC).

2 **Point the top of the remote** toward the front of the accessory device's remote sensor window when pressing buttons.

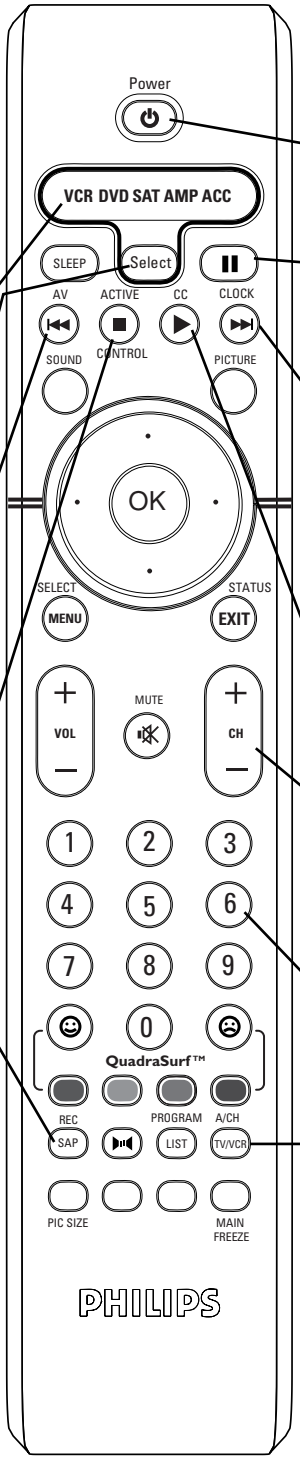
External Accessory Mode Indicator when the Select button is repeatedly pressed, the indicator will highlight what mode the remote control is in.

Select Button
Press repeatedly to highlight and select one of the accessory modes within the Mode Indicator.

Rewind Button (Fast Reverse)◀◀
Press to rewind tapes or fast rewind DVD discs. For some accessory devices, the STOP button may have to be pressed first, then REWIND. In playback mode, hold down the button to view the picture moving rapidly in reverse.

Stop Button ■
Press to stop the playback of a tape or disc in playback, rewind, fast forward, and so on.

Record Button
Hold the REC(ord/Sap) and PLAY ▶ buttons down to begin a VCR recording.



Power Button
Press to turn the accessory device ON and OFF.

Pause Button ⏸
Press to temporarily stop the videotape, DVD disc, etc., during a playback or recording. Press again to release Pause.

Fast Forward Button (Wind Forward) ▶▶
Press to rapidly advance a videotape, DVD disc, etc. For some devices, you may need to press the STOP button first, then the FAST FORWARD button. In playback mode, hold the button down to view the picture moving rapidly in the forward direction.

Play Button ▶
Press to begin playback of a videotape or DVD disc, etc.

Channel + and – Buttons
Press to scan up or down through the channel numbers using the external accessory devices tuner (some accessory devices do not have channel tuners).

Number Buttons
Press buttons for the direct selection of external device channels if the unit is equipped with a tuner.

TV/VCR Button
Press while in the VCR mode (the VCR indicator on the front of the unit will light) to view the playback of a tape. Press again to place in the TV position (the VCR indicator light will go off) to view one program while recording another program.

HELPFUL HINT

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

NOTE: All VCR functions (particularly Search, Rewind, Fast Forward, etc.) will operate the same as with the original VCR remote control provided with the VCR.

TROUBLESHOOTING TIPS

No Power
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture
- Check antenna connections. Are they properly secured to the TV's ANT 75Ω plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.
- Press the AV button on the remote to make sure the correct signal source is selected (FRONT, AV1, AV2, Current Channel, etc.).

No Sound
- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections located on the front of the TV.

Remote Does Not Work
- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.

Remote Does Not Work Continued
- Clean the remote control and the remote control sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13
- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

TV Displays white lines in letterbox when viewing a DVD disc
- Some DVD Discs are encoded with as much as 30% more video information to give the best possible picture quality. With the DVD Player in the 16:9 picture format, the playback of this type of disc with extra video information, can produce a number of small white lines in the upper portion of the black letterbox area. With some of these discs, this situation is unavoidable and it does not require a service call.

Cleaning and Care

WARNING Concerning Stationary Images on the TV Screen:

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven picture-tube aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**

- **DVD menus—**listings of DVD disk content
- **Letterbox black bars—**shown at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio.
- **Video-game images and scoreboards**
- **Television station logos—**present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers—**presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays—**bright and shown constantly or repeatedly in the same location on the TV screen.

Placement of the TV

- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

Cleaning

- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

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NOTES

PHILIPS LIMITED WARRANTY

90 Days Labor & One (1) Year Parts & Two (2) Years Display

PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE: You must have proof of the date of purchase to receive warranted repair on the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
(If the product is determined to be defective)

LABOR: For a period of ninety (90) days from the date of purchase, Philips will repair or replace the product, at its option, at no charge, or pay the labor charges to any Philips authorized repair facility. After the period of ninety (90) days, Philips will no longer be responsible for charges incurred.

PARTS: For a period of one (1) year from the date of purchase, Philips will supply at no charge, new or rebuilt replacement parts in exchange for defective parts. Philips authorized service centers will provide removal and installation of the part under the specified labor warranty.

DISPLAY: For a period of two (2) years from the date of purchase, Philips will supply, at no charge, a new or rebuilt active display device in exchange for the defective display. Philips authorized service centers will provide removal and installation of the parts under the specified labor warranty.

EXCLUDED FROM WARRANTY COVERAGE
Your warranty does not cover:

- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.
- Product lost in shipment and no signature verification of receipt can be provided.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Products sold AS IS or RENEWED.

TO OBTAIN WARRANTY SERVICE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS…
Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

TO OBTAIN WARRANTY SERVICE IN CANADA…
1-800-661-6162 (French Speaking)
1-888-PHILIPS (1-888-744-5477) - (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. PHILIPS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract agreement with the PHILIPS partnership within ninety (90) days of the date of sale, the limitation on how long an implied warranty lasts does not apply.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

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